Guide to fix the problem with Problets

COP 2512 - IT Programming Fundamentals

In order to fix the problem of not being able to run Problets on your web browser, please follow the following steps:

1. Make sure you installed JDK. You should download the installer from the following website:

http://www.oracle.com/technetwork/java/javase/downloads/jdk9-downloads-3848520.htm

Execute the installer. You may be prompted for the following custom setup. Keep the "Enable Java Content in the browser" option enabled and click *Next*.



The installer will execute, and when it's done you should see a final dialog similar to the next one, informing you that the JDK has been successfully installed.



2. Install Java from the following web page: https://java.com/en/download/

You may see a warning saying that in Windows 10, Edge does not support plugins and whatnot. It's OK, click *Agree and Start Free Download*.

الله Java ⁻	Search ्यू Download Help
Help Resources	Download Java for Windows
What is Java? Remove Older Versions Disable Java Error Messages	Recommended Version 8 Update 161 (filesize: 1.78 MB) Release date January 16, 2018
<u> Other Help</u>	In Windows 10, the Edge browser does not support plug-ins and therefore will not run Java. Switch to a different browser (Internet Explorer, for example) to run the Java plug-in. Select the
Windows 64-bit Users	More Actions option located at the top right of the Edge browser and click on Open with Internet
Do you use both 32-bit and 54-bit browsers? • FAQ about 64-bit Java for Windows	Explorer. <u>More info</u>
Offline Installation	Agree and Start Free
Trouble downloading? Try the offline installer	Download
	By downloading Java you acknowledge that you have read and accepted the terms of the end user license agreement

Once the installer has been downloaded, execute it. After the installation has finished, you should see a final dialog like the following:



3. Open the start menu and write "*Configure Java*". Access the tool displayed, like in the below screenshot.



The Java Control Panel dialog will open and it should look something similar to the following:

lava Control Panel		
and control tunct		
General Update Java Security Advanced		
About		
View version information about Java Control Pa	nel.	
		About
Network Settings		
Network settings are used when making Internet the network settings in your web browser. Only settings.	et connections. By defau advanced users should	t, Java will use modify these
	Netv	ork Settings
Temporary Internet Files		
Files you use in Java applications are stored in Only advanced users should delete files or mod	a special folder for quick ify these settings.	execution later.
	Settings	View
Java in the browser is enabled.	Settings	View
Java in the browser is enabled. See the Security tab	Settings	View
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Go to the security tab, and you should see something similar to the next screenshot.

Java Control Panel General Update Java Security Advanced Control For browner and Web Start ambient			
General Update Java Security Advanced			×
Enable Tara content for browcer and Web Start applicati			
C I chaple yava content for prowser and web Start application	ons		
Security level for applications not on the Exception Site list			
🔘 Very High			
Only Java applications identified by a certificate from a allowed to run, and only if the certificate can be verifie	trusted auth d as not revo	ority are oked.	
High			
Java applications identified by a certificate from a trust run, even if the revocation status of the certificate can	ed authority 10t be verifie	are allowe d.	d to
Exception Site List			
Exception Site List Applications launched from the sites listed below will be appropriate security prompts.	allowed to ru	un after the	9
Exception Site List Applications launched from the sites listed below will be appropriate security prompts. Click Edit Site List to add items to this list.	allowed to ru	un after the lit Site List	•

Make sure you have checked the "*Enable Java content for browser and Web Start applications*". Also, click on "*Edit Site List*". You should see something similar to the following. Running Java applications on a web browser is not very safe, so we need to configure the Java Control Panel to add an exception and let us execute the Problets:

pplications launched from the sites listed below will ppropriate security prompts.	I be allowed to run after the
Click Add to add an item to this list.	
	Add Remove
FILE and HTTP protocols are considered a secur We recommend using HTTPS sites where availa	Add Remove rity risk. able.

In the new window click on "Add" and write in location: <u>http://problets.org/</u>, as shown below:

pplications launched from the sites lis	sted below will be allowed to run after	the
ppropriate security prompts.		
Location		
http://problets.org/		
	Add 1	Remove
FILE and HTTP protocols are cons We recommend using HTTPS site	Add I sidered a security risk. es where available.	Remove

A warning may appear because the web address is using HTTP instead of HTTPS. That's OK. Click "*Continue*".



Finally, click "*OK*". Back in the Java Control Panel, you should see the problets address added to the exceptions site list, like the following:



Click "OK".

4. Go to Internet Explorer. Click on the Tools icon, then Internet Options.

- 🔒 🖒 Search	··· ・ ・ P · · · · · · · · · · · · · · ·
	Print > File > Zoom (125%) > 1 Safety >
	Add site to Apps View downloads Ctrl+J Manage add-ons F12 Developer Tools Go to pinned sites Compatibility View settings
	Internet options About Internet Explorer

Go to the security tab. You will see something similar to the next screenshot. What we're doing now is tell Internet Explorer that, even though running Java applications on the browser is not very secure, we trust the Problets website and want to execute these programs from this website:

General	Security	Privacy C	ontent	Connections	Programs	Advan	iced
Select	a zone to	view or char	nge seo	curity settings.	-		-
		-		\checkmark			
Int	ternet	Local intra	net	Frusted sites	Restricted s	ites	
	Toucha	d alter					
1	This zor	u sites	vohsite	as that you	S	ites	
\checkmark	trust no	t to damage	your o	computer or			
	your file You hay	s. e websites i	n this a	zone.			
Secu	rity level fo	r this zone					
Allo	wed level	s for this zoi	ne: All				
- 1	Med	fium					
17	-	Prompts bef	iore do	wnloading pot	entially unsa	ife	
		Unsigned Ac	tiveX o	controls will no	t be downlo	aded	
-							
	Enable P	rotected Mo	de (rec	uires restartir	ig Internet E	xplorer)
			Cu	stom level	Defau	lt level	
				Poset all 20	nes to defai	ilt lovol	
				Reset di zu	nes to derat	in level	

Click on "*Sites*", uncheck the option to require https and Add the problets website. You should have something like the following:

Trusted sites	×
You can add and remove websites f this zone will use the zone's security	rom this zone. All websites in / settings.
Add this website to the zone:	
http://problets.org	Add
Websites:	Remove
Require server verification (https:) for all	sites in this zone
	Close

Click Add, and the Problets website should be added to the websites list:

You can add and remove websites fro this zone will use the zone's security	om this zone. All websites in settings.
Add this website to the zone:	Add
Wahritar	Add
http://problets.org	Remove
Require server verification (https:) for all s	ites in this zone
	1005 III 0113 20110
	Close

Click *close*, and then *OK* to close the Internet Options dialog. You may need to close Internet Explorer and start it again. Then, when you access the Problets exercise, you will see this warning.



Check to accept the risks, and then click run.



At this point, a new window should appear with the program. You can see an example below:

e evaluate the assignme	nt expression.							
luate the assignment ex	pression one sten (operator) at a tir	ne -						
Explanation]	ression one step (operator) at a m	10.						
each step, identify the op	erator that is evaluated next by clicking	and dragging the i	nouse.					
Click and drag the mouse to cover th	operator and its operand(s).							
4 + 3								
· · · · · · · · · · · · · · · · · · ·								
>								
drag 🗸								
click rele	ase							
If you do not cover all the onerands of	r answerwill he marked incorrect							
·								
↑								
inter the value returned by	the sub-expression, in the box that pop	s up.						
ide Explanation]								
First, verify the sub-expression.								
If it is not the one you selected, you d Click on Cancel button, and return to	d not cover all the operands when you dragged the mous clicking/dragging the mouse again.	0.						
📓 Please enter the result of evalu	ition:							
The expression	evaluates to							
4 +	<	~						
	OK Cancel 🦉	3						
	OK Cancel							
If the sub-expression is what you set	OK Cancel							
If the sub-expression is what you sel Please enter the result of evalue The expression	OK Cancel Cancel Concel							
If the sub-expression is what you set Please enter the result of evalue The expression 4 + 3	OK Cancel Cancel Concel							
If the sub-expression is what you sel Please enter the result of evalu The expression 4 + 3	OK Cancel	-						
If the sub-expression is what you set	OK Cancel Clark OK	-						
If the sub-expression is what you set Please enter the result of evalu The expression 4 + 3 Follow the instructions for entering the		t be displayed every time.						
If the sub-expression is what you set Fease enter the result of evalu the expression 4 + 3 Follow the instructions for entering th Enter	OK Cancel ded, enter the result and click OK evaluates to evaluates to OK Cancel concel tomat: These same instructions will	l be displayed every time.						
If the sub-expression is what you set If the supression A + 3 Follow the instructions for ensuing the Enter Real numbers		t be displayed every time.						
If the sub-expression is what you set If the sub-expression is what you set If the expression 4 + 3 Follow the instructions for entering th Enter Real numbers Integers	OK Cancel Obset Status evaluates to Status OK Cancel ok Cancel versultin the correct form at: These same instructions with decimal point (e.g., 12.0, not 12) without decimal point (e.g., 12.0, not 12)	be displayed every time.						
If the sub-expression is what you set a pressenter the result of evalu- tine expression 4 + 3 We show the instructions for entering th Enter Real numbers Integers Boolean values as	OK Cancel Cancel Cancel Concel Concel OK Cancel OK Cancel OK Cancel ok concel co	be displayed every time.						
It the sub-expression is what you set It the expression 4 + 3 Feature the instructions for entiring the Enter Real numbers Integers Boolean values as Characters		be displayed every true.						
It the sub-expression is what you set all prostee store due result of works The expression	OK Cancel Cancel Cancel Cancel Cancel Concel Cancel Concel Cancel Concel Cancel Cancel Concel Cancel Concel Cancel Concel Cancel Concel Cancel Concel Conco Concel Concel Concel Concel Concel	be displayed every time.						
If the sub-expression is what you set a pressentier the result of evalu- tine expression 4 + 3 Follow the instructions for entering th Enter Real numbers integers Boolean values as Characteris Steps with an error as Stipped steps as	OK Cancel Cancel Cancel Cancel Concel	be displayed every lime.						
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It the sub-expression is what you set a process entry the result of works the expression	OK Cancel toxe XJ evaluates to XJ evaluates to XJ ox Cancel with decimal point (e.g., 120, not 12) without decomain point (e.g., 120, not 12) without decomain point (e.g., 120, not 12) without decomain point (e.g., 120, not 12) within single quotes (e.g., %) error Skip Short Circuit or sc.	be displayed every time.						
If the sub-expression is what you set a pressenter the result of evalu- tion expression 4 + 3 Follow the instructions for entering the Enter Real numbers Integers Doolean values as Characters Steps with an error as Shipped steps as Short Circuited steps as Short Circuited steps as Short Circuited steps as	OK Cancel cted, enter the result and click OK XX cevaluates to XX evaluates to XX OK Cancet with decimal point (e.g., 12.0, not 12) XX without decimal point (e.g., 12.0, not 12.0) XX true or face (not 1 or 0) XX skip Short Circuit or sc skip Short Circuit or sc	be displayed every time.	t hat					
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It the sub-expression is what you set It the sub-expression	OK Cancel ded, enter the result and click OK evaluates to evaluates to evaluates to or, evaluates to evaluates to evaluates (e.g., 12, ont 12, 0) within single quotes (e.g., 14) error Sibp Short Circuater se evaluates of variables in the sub-expression ub expression, click on <i>No</i> Changes	be displayed every time.	t hat					
Ithe sub-expression is what you and <u>defase enter the result of value</u> <u>defase enter the result of value</u> <u>the expression</u> <u>defase the instructions for entering in</u> <u>Enter</u> Read numbers Integers Boolean values as Characters Stops with an error as Stopped steps as not circuited steps as inter any changes in the vi- pop Quantite() Inter on values in the vi- one Quantite() Inter values in the vi- constant value of angles in the vi- constant values of angles in the vi- constant value of angles in the vi-	OK Cancel cted, enter the result and click OK Image: Concel cevaluates to evaluates to evaluates to Image: Concel OK Cancel with decimal point (e.g., 12.0, not 12) without decimal point (e.g., 12.0, not 12.0) true or trace (not 1 or 0) with single quotes (e.g., %) error Skip Short Circuit or sc vibues of variables in the sub-expression ub-expression, click on <i>No</i> Charges	be displayed every time.	t hat					

If the file you downloaded is a .jnlp file, you should be able to download the file using the link in the announcement posted on the Canvas site for the course.

When you click on the link, the Java WebStart Launcher should open with the exercises. If it doesn't and you see the following screen, click *Open*. If it still doesn't open, continue with the following steps:

😻 View Downloads - Internet Explorer			2	- 0	\times
View and track your downloads			Search downloads		P
Name		Location	Actions		
usf.jnlp problets.org	1.04 KB	Do you want to open or save this file?	Open	Save	· ×

If it does open, you should see the following dialog with the Problets exercises.

Java Problet Prof. Alessic University of Spring 2018	ts & Epplets Gaspar f South Florida		
Problets	Expressions	Arithmetic	ŀ
		Relational	
		Logical	
		Assignment	
		Bitwise	
	Selection	if/if-else tracing	
		switch tracing	
	Loops	while loop tracing	
		for loop tracing	
		do-while loop tracing	
		Advanced loops	
	Function	Debugging functions	
		Function behavior	
		Recursive functions	
		Array	
		Classes	
Epplets - Pa	rsons puzzles	Sequence	
	Selection	if/if-else puzzles	
		switch puzzles	
	Loops	while loop puzzles	

If you haven't been able to open the Problets exercises, go to the folder where you downloaded the .jnlp file. Click with the right button, go to Open With and you should see Java Web Launcher, like the following:



If you don't see that option, then in the Open with -> go to Choose another app. A new window should appear. Click in the option "More apps", and then scroll down and click on "Look for another app on this PC". Then, a new dialog should appear so that you can choose the application to open the file with. Go to the folder where you downloaded Java (depending on your configuration, it should be something similar to C:\Program Files (x86)\Java\jre<some version>\bin\javaws.exe. Like the following:

	ogram Files (x86) > Java > jre1.8.0_16	51 > bin > くひ	Search bin	\$
rganize • New folde	er			• 🔳 🌘
ConeDrive	Name	Date modified	Туре	Size
 This PC 3D Objects Desktop 	📕 client	1/16/2018 6:31 PM	File folder	
	📕 dtplugin	1/16/2018 6:31 PM	File folder	
	plugin2	1/16/2018 6:31 PM	File folder	
	jabswitch.exe	1/16/2018 6:31 PM	Application	31
Documents	ਭ java.exe	1/16/2018 6:31 PM	Application	187
📮 Downloads	javacpl.exe	1/16/2018 6:31 PM	Application	72
A Music	💷 java-rmi.exe	1/16/2018 6:31 PM	Application	16
E Pictures	🜆 javaw.exe	1/16/2018 6:31 PM	Application	188
H Videos	🛓 javaws.exe	1/16/2018 6:31 PM	Application	286
#_ OS (C)	🔳 jjs.exe	1/16/2018 6:31 PM	Application	16
DATA (D)	jp2launcher.exe	1/16/2018 6:31 PM	Application	85
- DAIA (U.)	<		A 11 - 11	· · · · · · · · · · · · · · · · · · ·
File nar	me: javaws.exe	~	Programs (*.exe;*.p	pif;*.com;*.bat

Click Open. After this, the Problets should open with no problems, and the next time you want to execute the file, you can double click on the .jnlp file or click with the right button and click on Launch. The computer should remember the option to open the file with the Java WebStarter Launch.