## 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 <sup>-</sup>	Search Q 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>Troubleshoot Java</u> » <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:

Java Control Panel		
a juna contron ranci	_	
General Update Java Security Advanced		
About		
View version information about Java Control Par	nel.	
		About
Network Settings		
Network settings are used when making Internet the network settings in your web browser. Only settings.		
	Netwo	ork Settings
Temporary Internet Files	1	
Files you use in Java applications are stored in a Only advanced users should delete files or modi		execution later.
,	Settings	View
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Go to the security tab, and you should see something similar to the next screenshot.

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as not revoked. authority are allowed to be verified. owed to run after the Edit Site List	Enable Java content for browser and V	Web Start applicat	ions		
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as not revoked. authority are allowed to be verified. owed to run after the Edit Site List	O Very High				
be verified. owed to run after the Edit Site List	Only Java applications identified by a allowed to run, and only if the certifi				
be verified. owed to run after the Edit Site List	High				
Edit Site List	Java applications identified by a cert run, even if the revocation status of				ed to
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Edit Site List	Applications launched from the sites lis appropriate security prompts.	sted below will be	allowed to ru	un after th	e
	to add items to this list.				
Manage Certificates	to dud items to uns list.				
M	Click Edit 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 wil 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	rity risk.

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

applications launched from the sites lis	sted below will be allowed to run after the	
appropriate security prompts.		
Location		
http://problets.org/		_
	Add Remov	e
FILE and HTTP protocols are cons We recommend using HTTPS site	sidered a security risk.	e

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	
	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:

	Constant				1.2000000000		
ieneral	Security	Privacy	Content	Connections	Programs	Advan	ced
Select	a zone to	view or ch	ange sec	urity settings.	-		-
				<b>S</b>			
Int	ternet	Local intr	anet 🚺	rusted sites	Restricted s	ites	
	Truste	a meens			S	ites	
$\checkmark$				es that you omputer or	150		
	your file	s.					
	You hav	e websites	s in this z	tone.			
Secur	rity level fo	or this zone	e				
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			Cu	stom level	Defau	lt level	
				Reset all zo	nes to defau	ılt 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 this zone will use the zone's securit	
Add this website to the zone:	
http://problets.org	Add
Websites:	Remove
Require server verification (https:) for all	
	Close

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

You can add and remove websites f this zone will use the zone's security	
Add this website to the zone:	Add
Websites:	Add
http://problets.org	Remove
Require server verification (https:) for all	sites in this zone
	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 assignmen	nt expression.								
	pression one step (operator) at	a time							
Explanation]	stepsion one step (operator) at	a une.							
each step, identify the opioe Explanation)	erator that is evaluated next by clic	king and drag	ging the mous	θ.					
Click and drag the mouse to cover the	operator and its operand(s).								
4 + 3									
, <u> </u>									
$\uparrow \longrightarrow$									
drag 🕴									
click relea	ase								
If you do not cover all the operands, yo	ny answerwill be marked incorrect								
·									
▲ · · · · · · · · · · · · · · · · · · ·	1								
I									
inter the value returned by	the sub-expression, in the box that	t pops up.							
ide Explanation]									
First, verify the sub-expression.									
If it is not the one you selected, you di Click on Cancel button, and return to	id not cover all the operands when you dragged the clicking/dragging the mouse again.	e mouse.							
Please enter the result of evaluation		×							
The expression									
The expression	evaluates to								
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Contract of Contract Application (1997)	Sector and the sector of the s	2							
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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				-	٥	$\times$
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	e 🔻	) ×

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

Java Problet Prof. Alessic University of Spring 2018 Please select	Gaspar f South Florida		
Problets	Expressions	Arithmetic	-
		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:

> • 🛧 📜 « Pr	ogram Files (x86) > Java > jre1.8.0_16	1 > bin > ∨ Ŭ	Search bin	)	
Organize • New fold	er			• 🔳 🌘	
OneDrive	Name	Date modified	Туре	Size	
This PC	📕 client	1/16/2018 6:31 PM	File folder		
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	plugin2	1/16/2018 6:31 PM	File folder		
E Desktop	jabswitch.exe	1/16/2018 6:31 PM	Application	31	
Documents	률 java.exe	1/16/2018 6:31 PM	Application	187	
🔈 Downloads	🔊 javacpl.exe	1/16/2018 6:31 PM	Application	72	
) Music	💷 java-rmi.exe	1/16/2018 6:31 PM	Application	16	
E Pictures	🜆 javaw.exe	1/16/2018 6:31 PM	Application	188	
Uideos	🛓 javaws.exe	1/16/2018 6:31 PM	Application	286	
5 OS (C:)	🔳 jjs.exe	1/16/2018 6:31 PM	Application	16	
DATA (D:)	jp2launcher.exe	1/16/2018 6:31 PM	Application	85	
• OAIA (0.)	<	* 44 C DOMO C 34 DU	<ul> <li>4<sup>*</sup> - 4<sup>*</sup></li> </ul>		
File na	me: javaws.exe	aws.exe ~		Programs (*.exe;*.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.