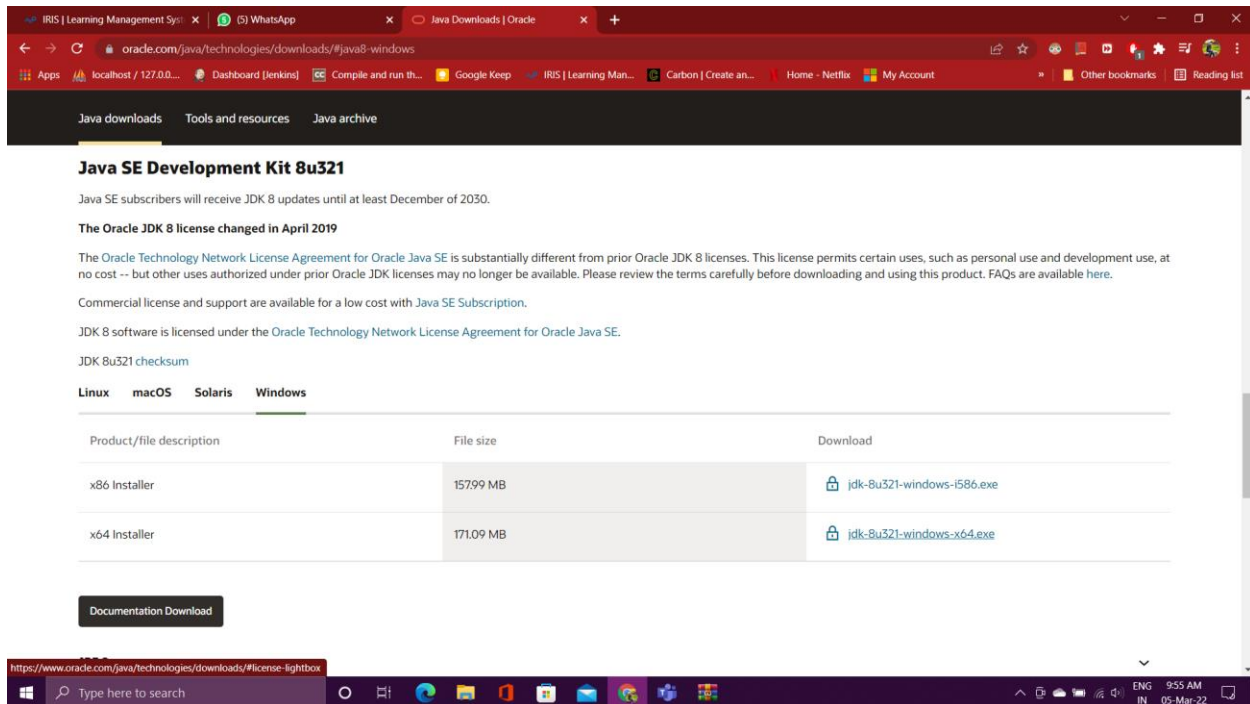


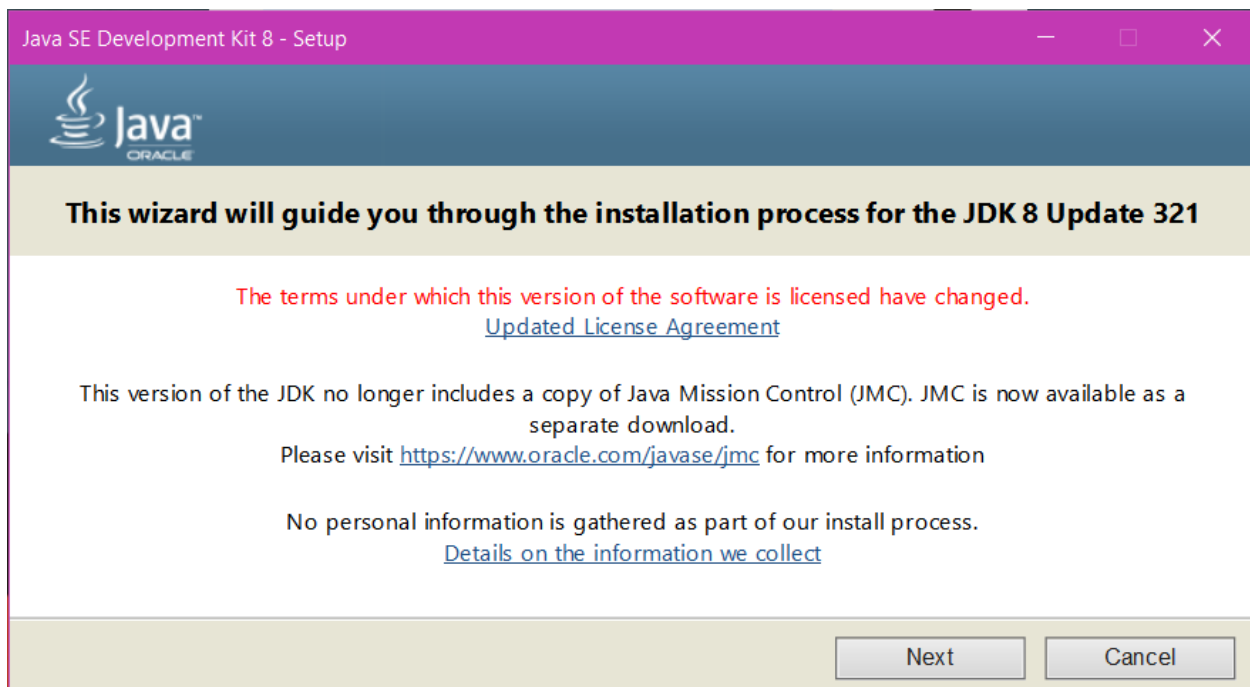
Assignment 1

Install the JDK JRE and set up the environment.



The screenshot shows the Oracle Java Downloads page for Windows. The page title is "Java SE Development Kit 8u321". It includes a navigation bar with "Java downloads", "Tools and resources", and "Java archive". The main content area has a heading "Java SE Development Kit 8u321" and a subheading "The Oracle JDK 8 license changed in April 2019". Below this, there is a table with two columns: "Product/file description" and "File size". The table lists two installers: "x86 Installer" (157.99 MB) and "x64 Installer" (171.09 MB). The "Download" column for each installer provides a link to the respective installer file. A "Documentation Download" button is located at the bottom of the table.

Product/file description	File size	Download
x86 Installer	157.99 MB	jdk-8u321-windows-i586.exe
x64 Installer	171.09 MB	jdk-8u321-windows-x64.exe



The screenshot shows the "Java SE Development Kit 8 - Setup" window. The window has a title bar with the text "Java SE Development Kit 8 - Setup". The main content area features the Java logo and the text "This wizard will guide you through the installation process for the JDK 8 Update 321". Below this, there is a red warning message: "The terms under which this version of the software is licensed have changed." followed by a link to the "Updated License Agreement". The text continues: "This version of the JDK no longer includes a copy of Java Mission Control (JMC). JMC is now available as a separate download. Please visit <https://www.oracle.com/javase/jmc> for more information". At the bottom, it states: "No personal information is gathered as part of our install process." followed by a link to "Details on the information we collect". The window ends with "Next" and "Cancel" buttons.

Name	Date modified	Type	Size
jdk1.8.0_321	05-Mar-22 10:02 AM	File folder	
jdk-17.0.2	30-Jan-22 10:06 AM	File folder	
jre1.8.0_321	05-Mar-22 10:04 AM	File folder	

> This PC > Local Disk (C:) > Program Files > Java > jdk1.8.0_321 > bin

System Properties

Computer Name

Hardware

Advanced

System Protection

Remote

You must be logged on as an Administrator to make most of these changes.

Performance

Visual effects, processor scheduling, memory usage, and virtual memory

Settings...

User Profiles

Desktop settings related to your sign-in

Settings...

Startup and Recovery

System startup, system failure, and debugging information

Settings...

Environment Variables...

OK

Cancel

Apply

Environment Variables



User variables for satya

Variable	Value
IntelliJ IDEA Community E...	D:\java workspace\IntelliJ IDEA Community Edition 2021.3.2\...
OneDrive	C:\Users\satya\OneDrive
OneDriveConsumer	C:\Users\satya\OneDrive
Path	C:\Users\satya\AppData\Local\Programs\Python\Python310\S...
PyCharm Community Editi...	C:\Program Files\JetBrains\PyCharm Community Edition 2021....
TEMP	C:\Users\satya\AppData\Local\Temp
TMP	C:\Users\satya\AppData\Local\Temp

New...

Edit...

Delete

System variables

Variable	Value
ComSpec	C:\Windows\system32\cmd.exe
DriverData	C:\Windows\System32\Drivers\DriverData
NUMBER_OF_PROCESSORS	4
OS	Windows_NT
Path	C:\Program Files (x86)\VMware\VMware Workstation\bin\C:\...
PATHEXT	.COM;.EXE;.BAT;.CMD;.VBS;.VBE;.JS;.JSE;.WSF;.WSH;.MSC
PROCESSOR_ARCHITECTU...	AMD64
PROCESSOR_IDENTIFIER	Intel64 Family 6 Model 142 Stepping 5

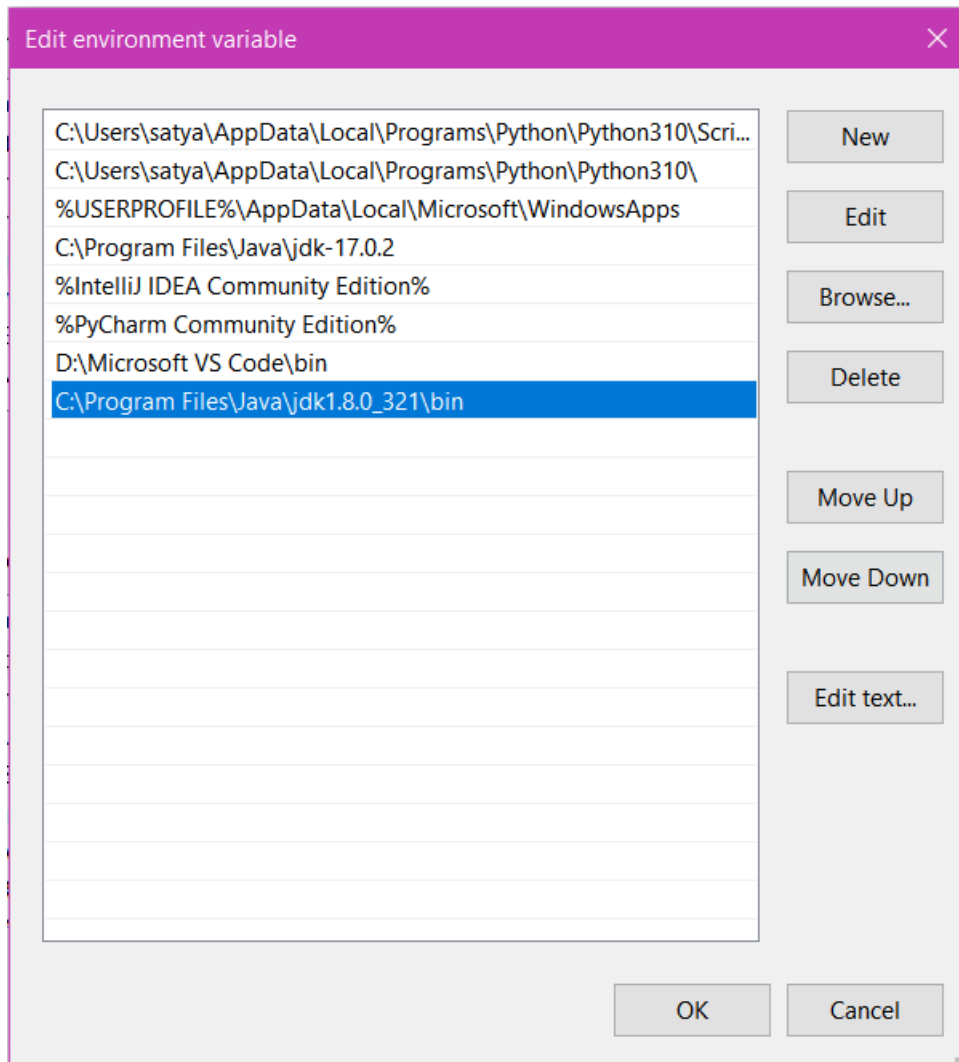
New...

Edit...

Delete

OK

Cancel



Edit environment variable



C:\Program Files (x86)\VMware\VMware Workstation\bin\
C:\Program Files\Common Files\Oracle\Java\javapath
C:\Program Files (x86)\Common Files\Oracle\Java\javapath
C:\Windows\system32
C:\Windows
C:\Windows\System32\Wbem
C:\Windows\System32\WindowsPowerShell\v1.0\
C:\Windows\System32\OpenSSH\
C:\Program Files\Java\jdk-17.0.2
C:\Program Files\NVIDIA Corporation\NVIDIA NvDLISR
C:\Program Files (x86)\NVIDIA Corporation\PhysX\Common
C:\Program Files\Git\cmd
C:\Program Files\Java\jdk1.8.0_321\bin

New

Edit

Browse...

Delete

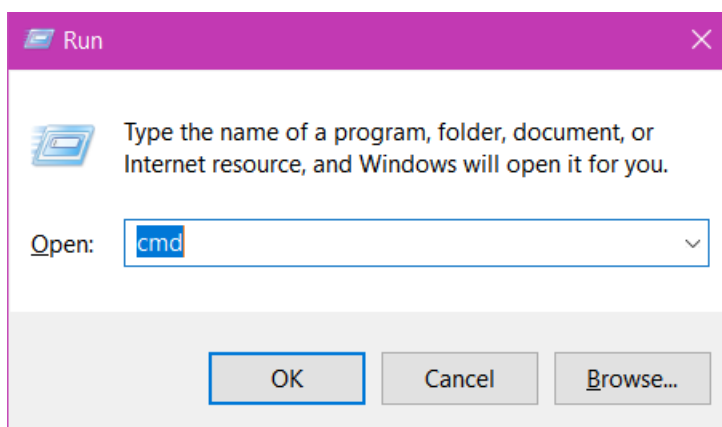
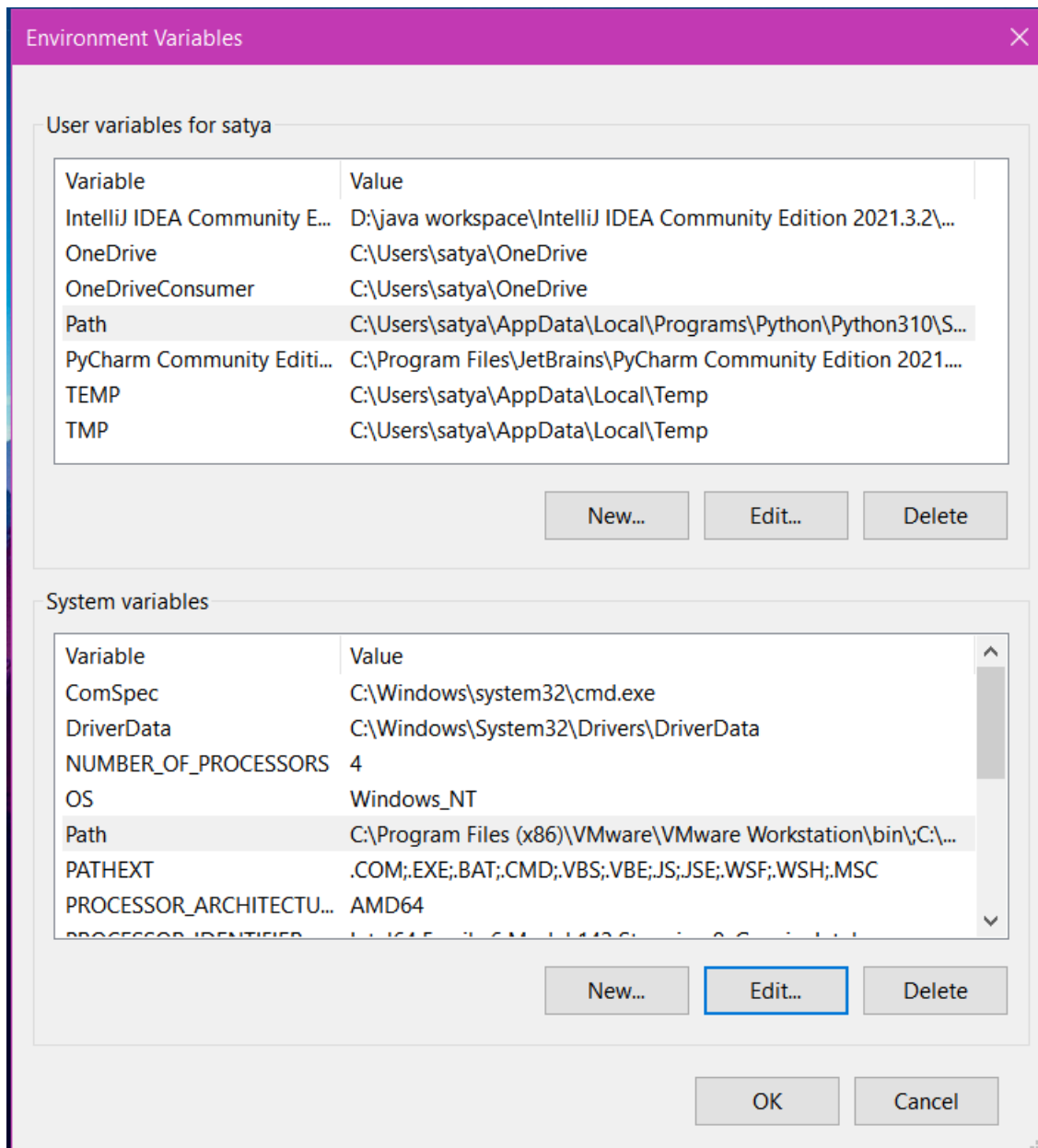
Move Up

Move Down

Edit text...

OK

Cancel



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.1526]
(c) Microsoft Corporation. All rights reserved.

C:\Users\satya>javac
Usage: javac <options> <source files>
where possible options include:
-g Generate all debugging info
-g:none Generate no debugging info
-g:{lines,vars,source} Generate only some debugging info
-nowarn Generate no warnings
-verbose Output messages about what the compiler is doing
-deprecation Output source locations where deprecated APIs are used
-classpath <path> Specify where to find user class files and annotation processors
-cp <path> Specify where to find user class files and annotation processors
-sourcepath <path> Specify where to find input source files
-bootclasspath <path> Override location of bootstrap class files
-extdirs <dirs> Override location of installed extensions
-endorseddirs <dirs> Override location of endorsed standards path
-proc:{none,only} Control whether annotation processing and/or compilation is done.
-processor <class1>[,<class2>,<class3>...] Names of the annotation processors to run; bypasses default discovery process
-processorpath <path> Specify where to find annotation processors
-parameters Generate metadata for reflection on method parameters
-d <directory> Specify where to place generated class files
-s <directory> Specify where to place generated source files
-h <directory> Specify where to place generated native header files
-implicit:{none,class} Specify whether or not to generate class files for implicitly referenced files
-encoding <encoding> Specify character encoding used by source files
-source <release> Provide source compatibility with specified release
-target <release> Generate class files for specific VM version
```

```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.19044.1526]
(c) Microsoft Corporation. All rights reserved.

C:\Users\satya>javac -version
javac 1.8.0_321

C:\Users\satya>
```