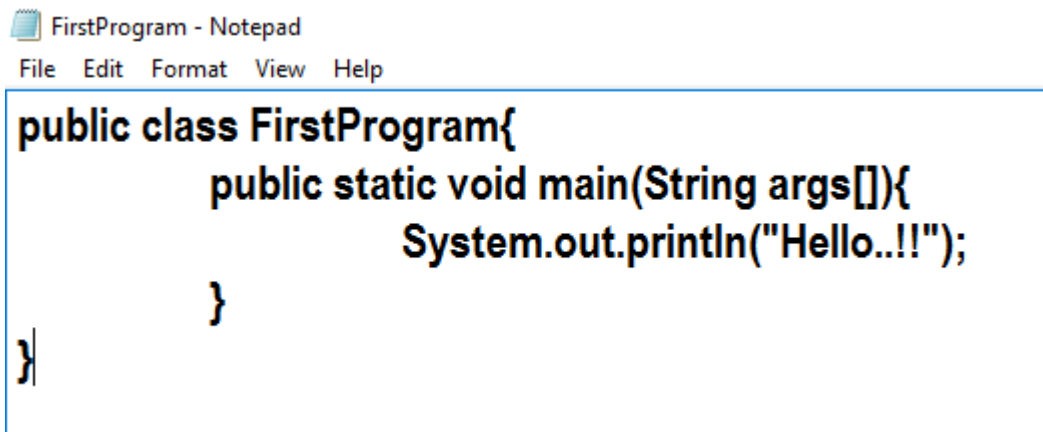


Date:04/05/2021

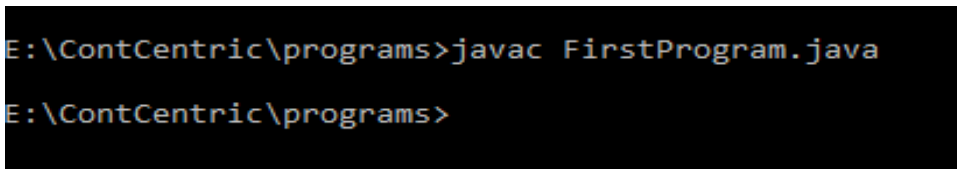
1. How to compile a java file?

- Save program with .java extension.
- Open a command prompt window and go to the directory where java program is saved.
- Type 'javac FirstProgram.java' and press enter to compile your code. If there are no errors in code, the command prompt will take you to the next line.
- The file is compiled and we can see FirstProgram.class file generated in the same folder.

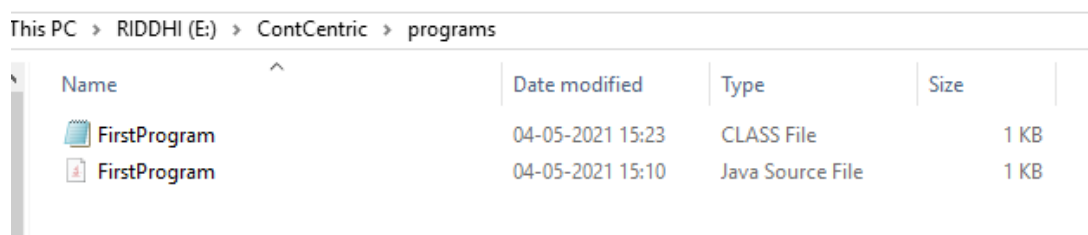




```
FirstProgram - Notepad
File Edit Format View Help

public class FirstProgram{
    public static void main(String args[]){
        System.out.println("Hello..!!");
    }
}
```



```
E:\ContCentric\programs>javac FirstProgram.java
E:\ContCentric\programs>
```



This PC > RIDDHI (E:) > ContCentric > programs				
Name	Date modified	Type	Size	
 FirstProgram	04-05-2021 15:23	CLASS File	1 KB	
 FirstProgram	04-05-2021 15:10	Java Source File	1 KB	

2. How to run a class file?

- First compile the java program.
- Then type 'java FirstProgram' and press enter to compile your code.
- Output is displayed on screen.

```

FirstProgram - Notepad
File Edit Format View Help

public class FirstProgram{
    public static void main(String args[]){
        System.out.println("Hello..!!");
    }
}

```

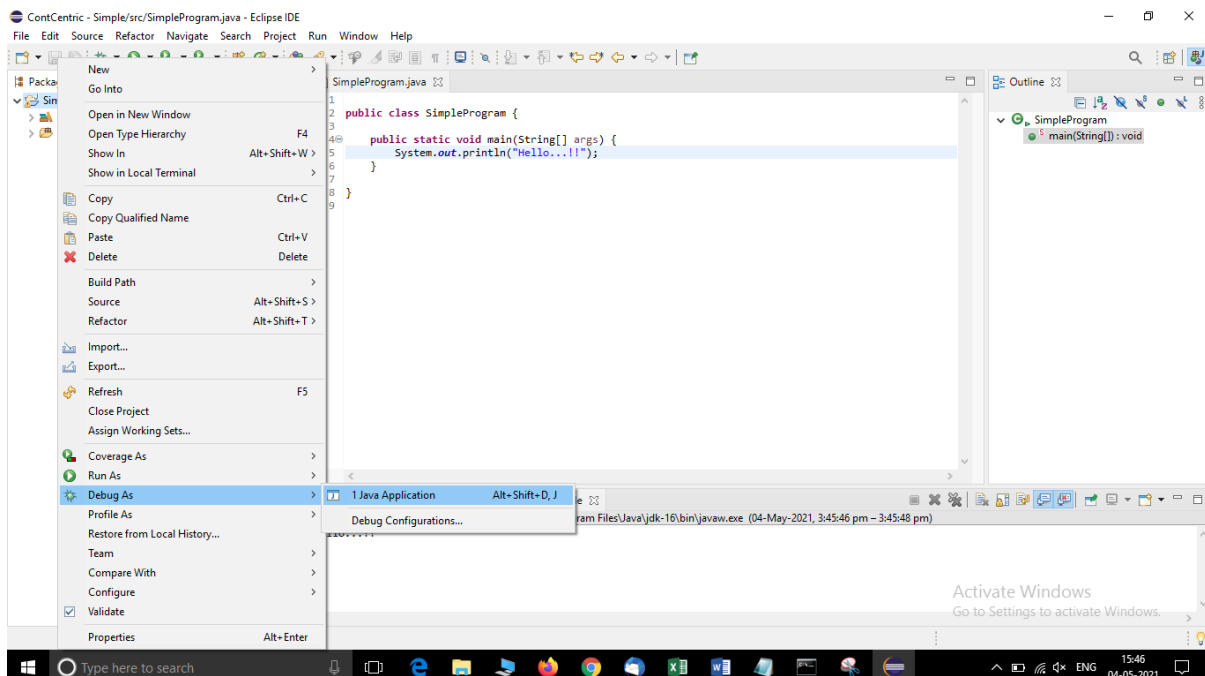
```

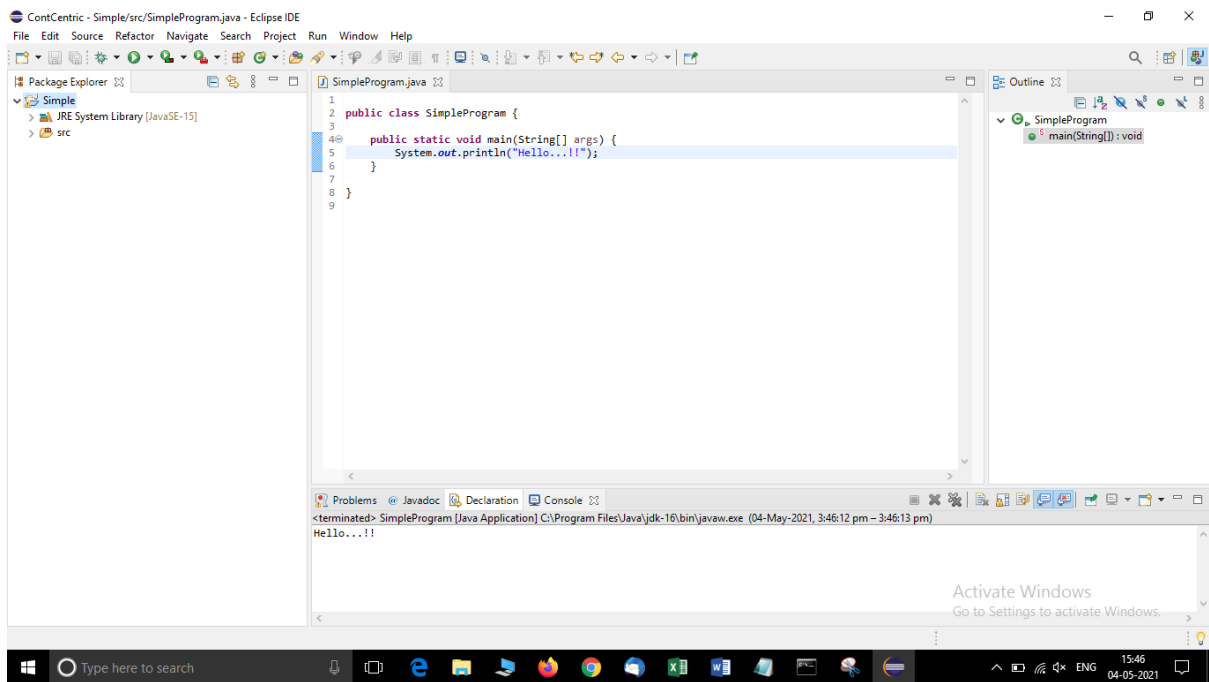
E:\ContCentric\programs>javac FirstProgram.java
E:\ContCentric\programs>java FirstProgram
Hello...!!

```

3. How to debug a java file?

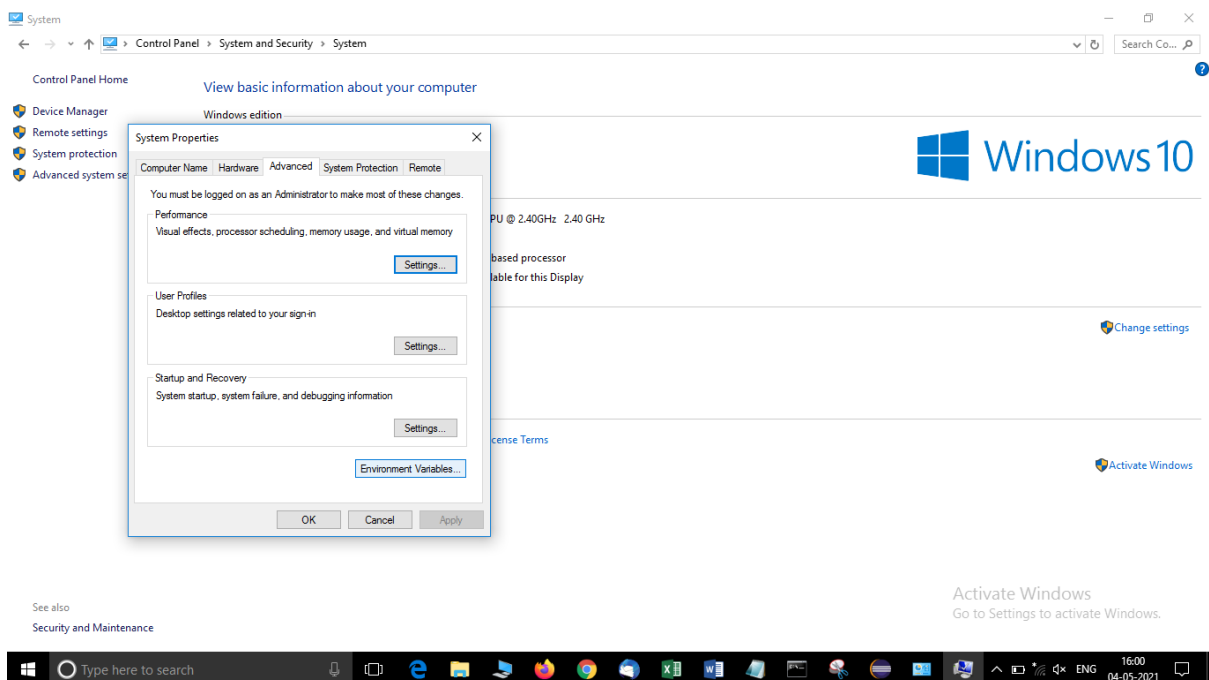
- A Java program can be debugged simply by right clicking on the Java editor class file from Package explorer. Select **Debug As** → **Java Application**.



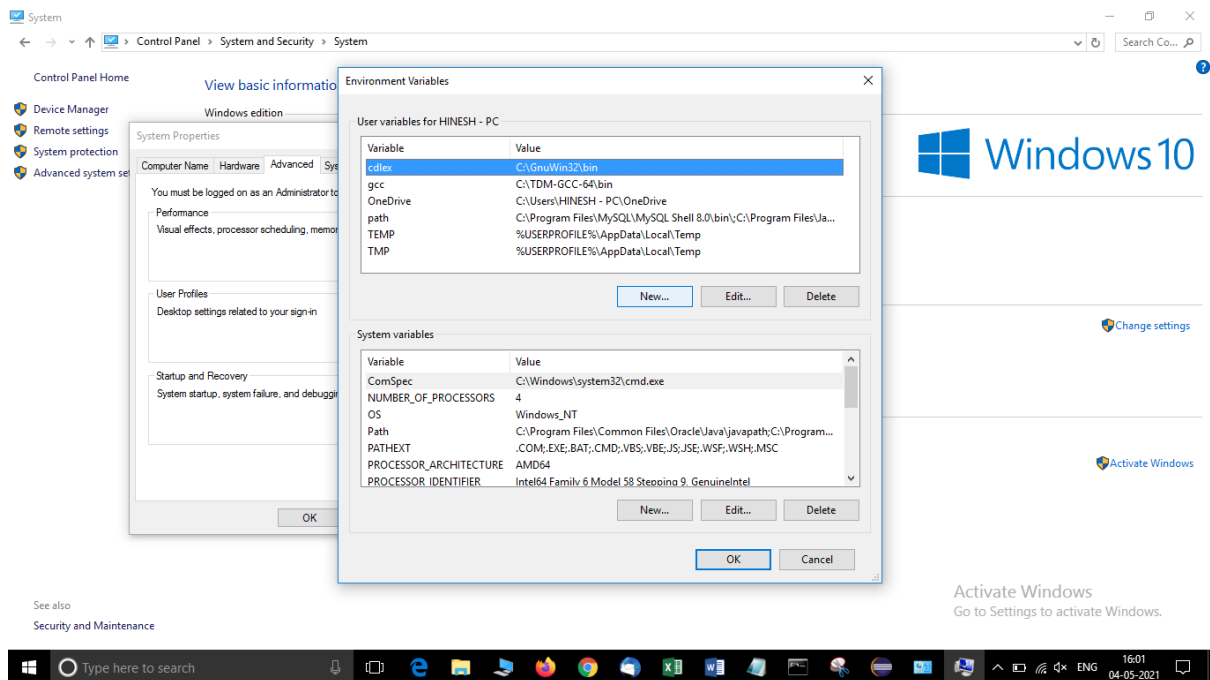


4. How to set classpath?

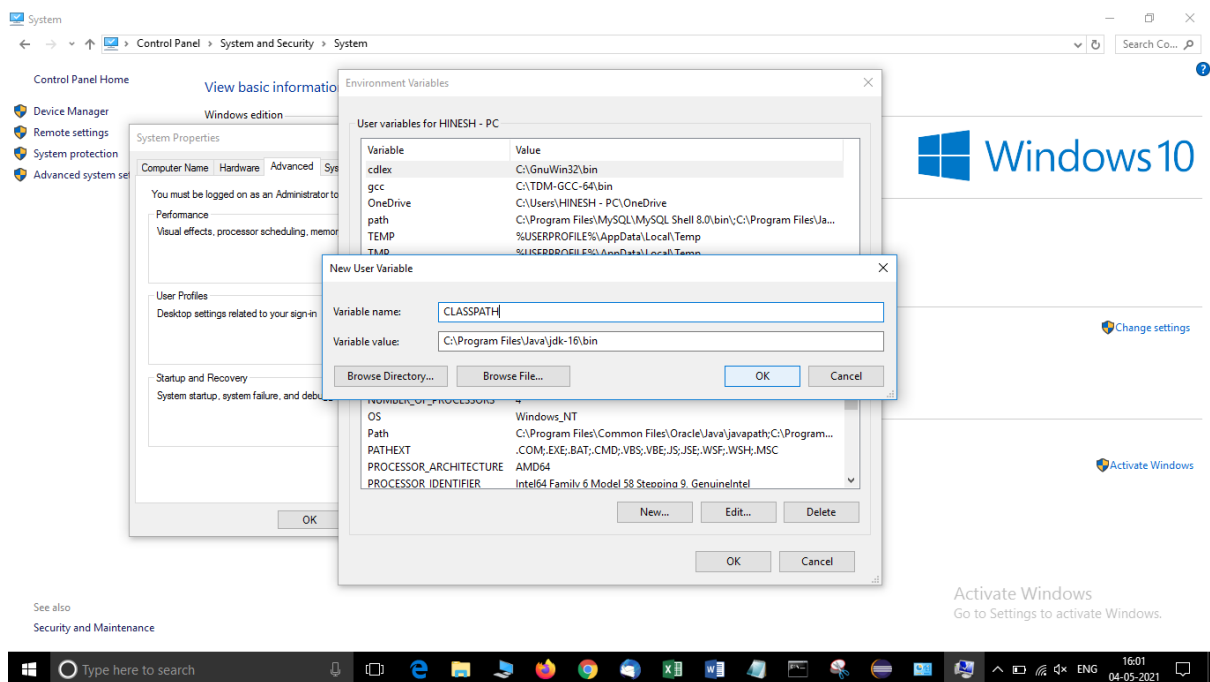
- Select Start
- Go to the Control Panel
- Select System and Security
- Select Advanced System settings
- Click on Environment Variables



- Click on New under System Variables



- Add **CLASSPATH** as variable name and path of files as a variable value.



- Select OK.

5. How to view current classpath?

- To check our **CLASSPATH** on Windows we can open a command prompt and type `echo %CLASSPATH%`

```
C:\Users\HINESH - PC>echo %CLASSPATH%
C:\Program Files\Java\jdk-16\bin

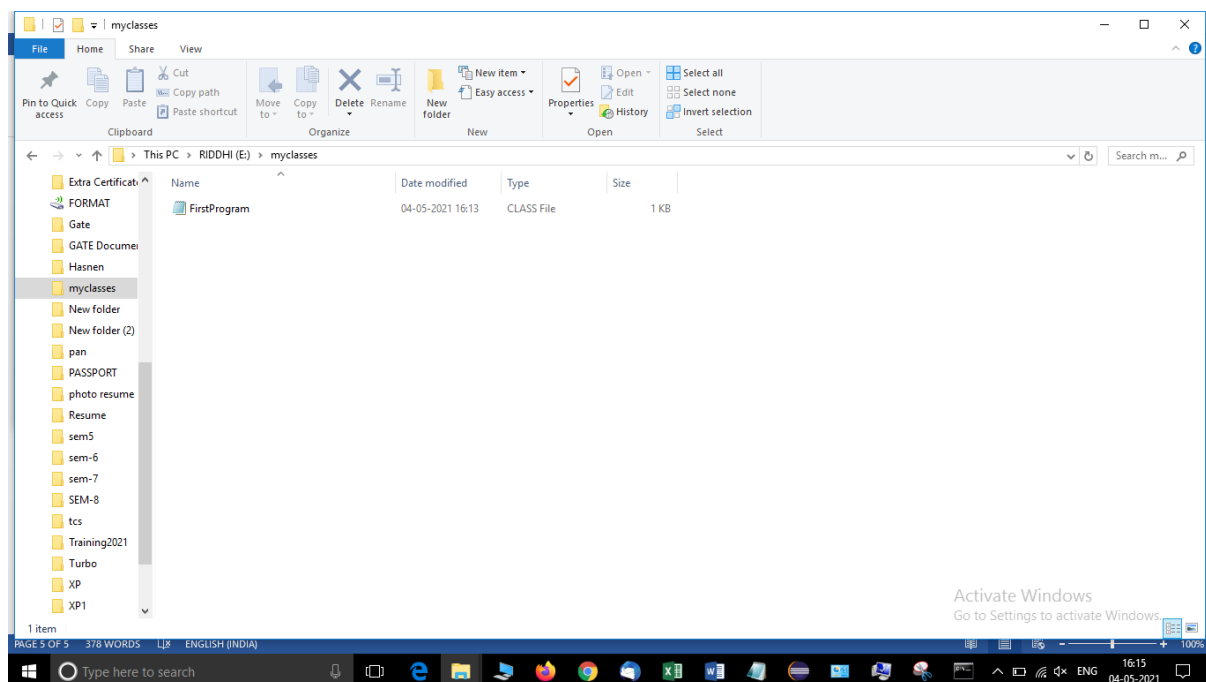
C:\Users\HINESH - PC>
```

6. How to set destination of the class file?

- Following example demonstrates how to set destination of the class file that will be created after compiling a java file using `-d` option with `javac` command.
`javac FirstProgram.java -d c:\myclasses`

```
E:\ContCentric\programs>javac FirstProgram.java -d E:\myclasses

E:\ContCentric\programs>
```



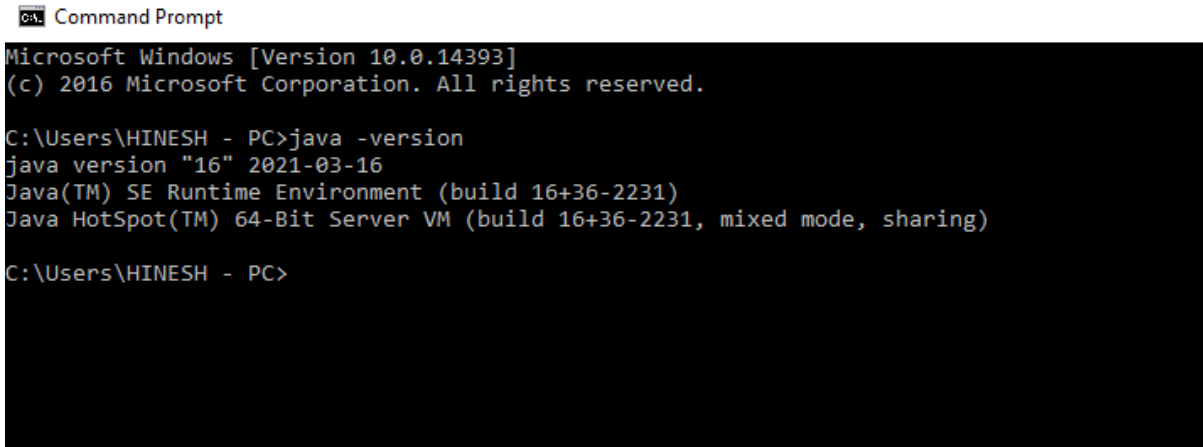
7. How to run a compiled class file?

- Open Command Prompt and type `'java classname'`
- Press Enter.
 Ex: If classname is `FirstProgram.class` then type `'java FirstProgram'` (Here `FirstProgram` is already compiled)

```
E:\ContCentric\programs>java FirstProgram  
Hello..!!
```

8. How to check version of java running on your system?

- Open Command Prompt and type 'java -version' then press Enter.



```
Command Prompt  
Microsoft Windows [Version 10.0.14393]  
(c) 2016 Microsoft Corporation. All rights reserved.  
  
C:\Users\HINESH - PC>java -version  
java version "16" 2021-03-16  
Java(TM) SE Runtime Environment (build 16+36-2231)  
Java HotSpot(TM) 64-Bit Server VM (build 16+36-2231, mixed mode, sharing)  
  
C:\Users\HINESH - PC>
```

9. How to set classpath when class files are in .jar file?

```
c:> java -classpath C:\java\myclasses.jar utility.testapp.main
```