

1. Steps for installing JDK and NetBeans.

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- 1) steps for installing JDK and Net Beans.
- ⇒ 1. Go on the browser and type in the URL "JAVA SE".
2. In the search click on the very first link "JAVA SE - Download Oracle Technology Networks Oracle".
3. click on the "Download" option.
4. Below is the JAVA SE Development Kit check the radio button of the "Accept License Agreement" and select platform and version as per the requirement. Here to for windows click on the "jdk-16-windows-x64-bin.exe".
5. Go to the downloaded file open jdk file: "jdk-16-windows-x64-bin.exe".
6. A popup opens, click on "yes", opens. Setup starts.
7. click on the setup and click the "next" Button.
8. On a window select path to save jdk files, set the path and click 'next' button, Installation starts.
9. After installation click on the "close" Button

10. Go to edrive, click on the "Program files", click on the "JDK", select "jdk files", and copy the whole path and go to Computer Properties.

11. Go in advance settings. Click on the environmental variables & ~~path~~ paste a new path. Click on "OK" & else

=> Steps to download NetBeans IDE

1) Go to Browser and type NetBeans. Click on the first search "Welcome to NetBeans".

2) Click on the "Downloads".

3) New window opens with Apache NetBeans version. Click on the "Apache NetBeans - 12.3 windows update" and click downloaded.

4) New window opens double click on the "Binaries" option.

5) On the new windows, click on the very first link.

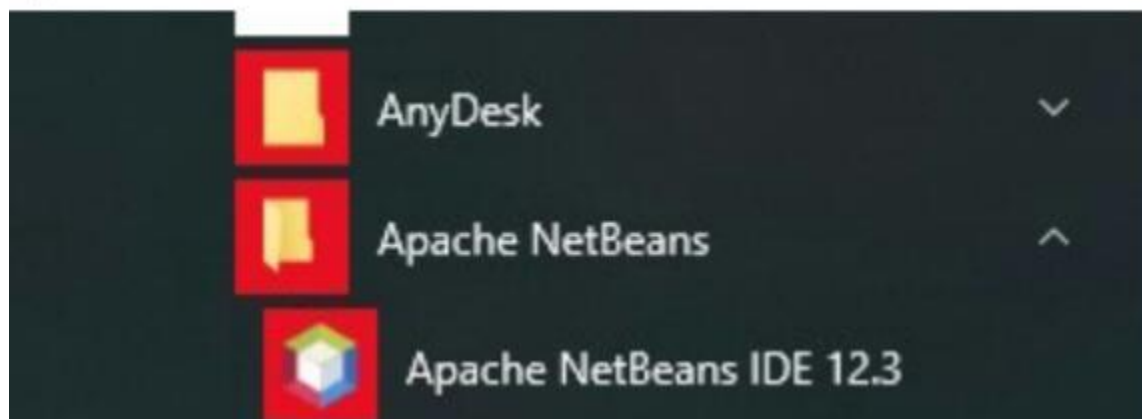
6) After downloading, open it in folder and content the file by right click on it.

7) Go in the file, click "Bin", select

"netbeans 64", and rightclick on it
And select "Run as Admin".

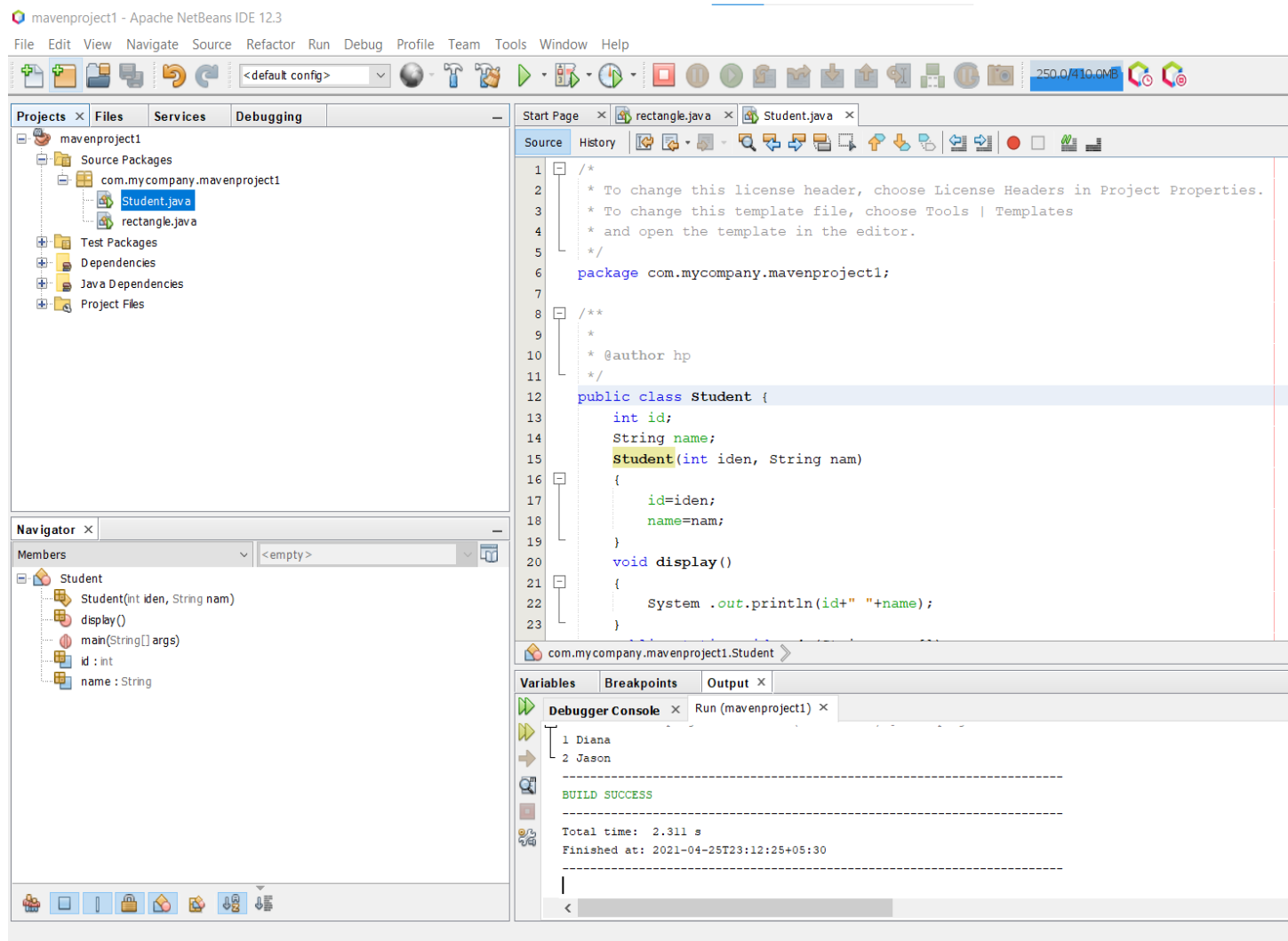
8) After installation go to the tools
of Netbeans, download the plugin
you want to work, then ~~se~~ activate
all plugins.

2. Screenshot of NetBeans installed on your PC.



3. Screenshots of program executed on Netbeans and corresponding outputs.

1.



2.

mavenproject1 - Apache NetBeans IDE 12.3

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

<default config> 243.5/395.0MB

Projects Files Services Debugging x

rectangle - Navigator x

Members <empty>

- rectangle
 - rectangle(int l, int w)
 - area()
 - main(String[] args)
 - breadth : int
 - length : int

Source History

```
1  /*
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6   package com.mycompany.mavenproject1;
7
8   /**
9    *
10   * @author hp
11   */
12  public class rectangle {
13      int length;
14      int breadth;
15      rectangle( int l, int w)
16      {
17          length=l;
18          breadth=w;
19      }
20      void area()
21      {
22          System.out.println(length*breadth);
23      }
```

com.mycompany.mavenproject1.rectangle rectangle

Variables Breakpoints Output x

Debugger Console x Run (mavenproject1) x

50
50

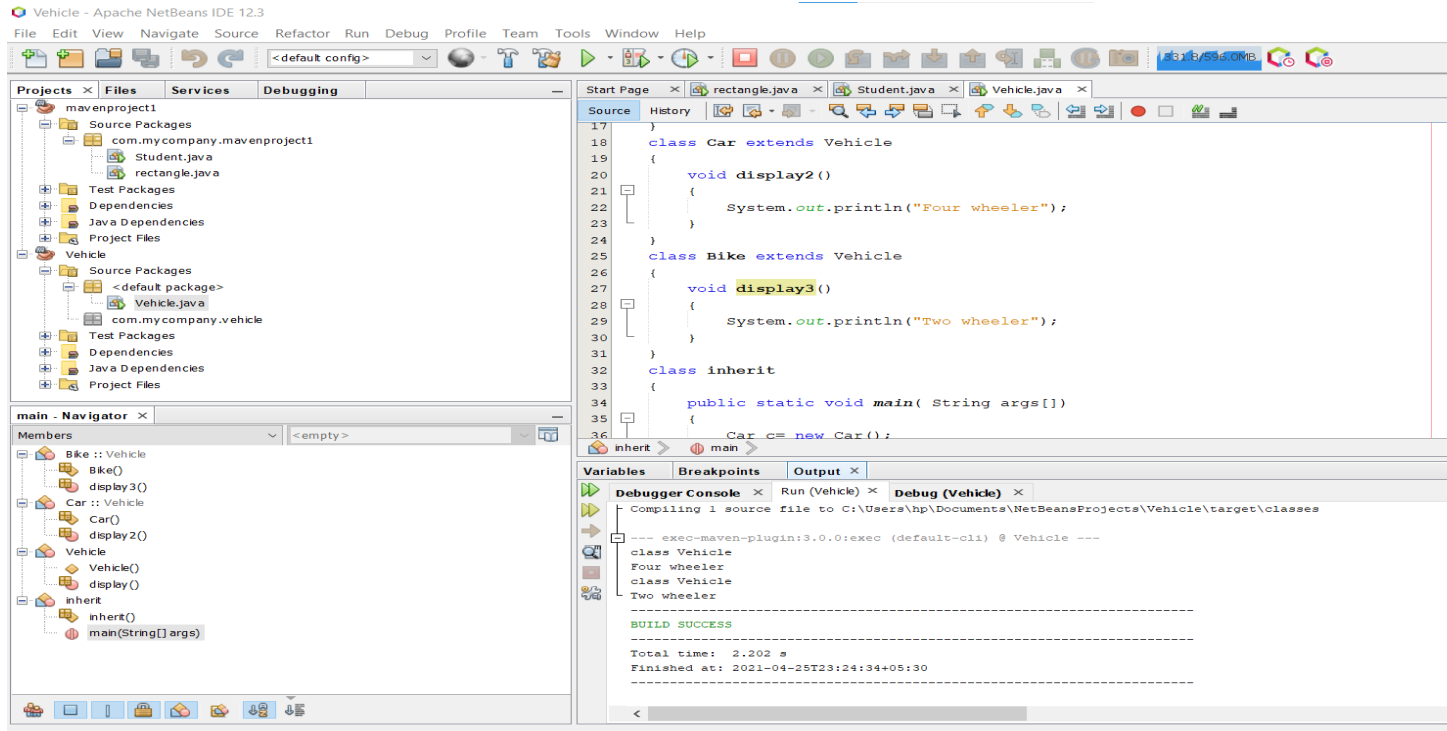
BUILD SUCCESS

Total time: 3.176 s
Finished at: 2021-04-21T22:10:17+05:30

<

Transferring Maven repository index: Central Repository 7%

3.



4.

The screenshot shows the Apache NetBeans IDE interface. The top menu bar includes File, Edit, View, Navigate, Source, Refactor, Run, Debug, Profile, Team, Tools, Window, and Help. Below the menu is a toolbar with icons for file operations, running, and debugging. The main workspace is divided into several panes:

- Projects:** Shows the project structure with 'Excep.java' selected.
- Files:** Shows the file explorer.
- Services:** Shows the services pane.
- Debugging:** Shows the debugger interface.

The **Excep.java** file is open in the editor, showing the following code:

```
1  /**
2   * To change this license header, choose License Headers in Project Properties.
3   * To change this template file, choose Tools | Templates
4   * and open the template in the editor.
5   */
6
7  /**
8   *
9   * @author hp
10  */
11  public class Excep {
12      public static void main( String args[]){
13          try{
14
15              int data =500/0;
16
17          }catch(ArithmeticException e)
18          {
19              System.out.println("Divide by zero");
20          }
21      }
22  }
```

The **Excep.java - Navigator** pane shows the class structure:

- Excep
 - Excep()
 - main(String[] args)

The **Variables** pane shows the current state of the program:

- Debug (mavenproject1) x Debugger Console x Run (Excep) x
- maven-compiler-plugin:3.1:compile (default-compile) @ mavenproject1 ---
- Nothing to compile - all classes are up to date
- exec-maven-plugin:3.0.0:exec (default-cli) @ mavenproject1 ---
- Divide by zero
- End of the Program
- BUILD SUCCESS
- Total time: 1.739 s
- Finished at: 2021-04-25T23:43:07+05:30

The **Output** pane shows the program's output:

```
Divide by zero
```

