Tutorial 1

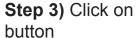
How to Download and Install Eclipse to Run Java

Step 1) Installing Eclipse

Open your browser and type https://www.eclipse.org/

Step 2) Click on Download' button.





Step 3) Click on Download 64 bit

The Eclipse Installer 2022-09 R now includes a JRE for macOS, Windows and Linux.



Get Eclipse IDE 2022-09

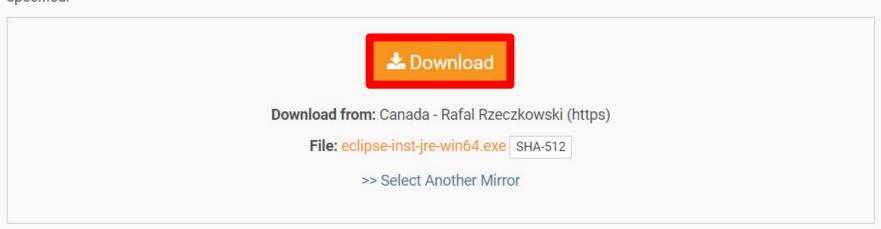
Install your favorite desktop IDE packages.

Download x86_64

Download Packages | Need Help?

Step 4) Click on Download button

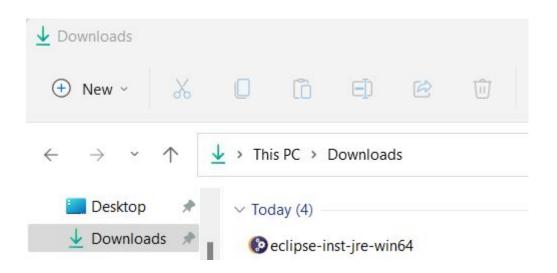
All downloads are provided under the terms and conditions of the Eclipse Foundation Software User Agreement unless otherwise specified.



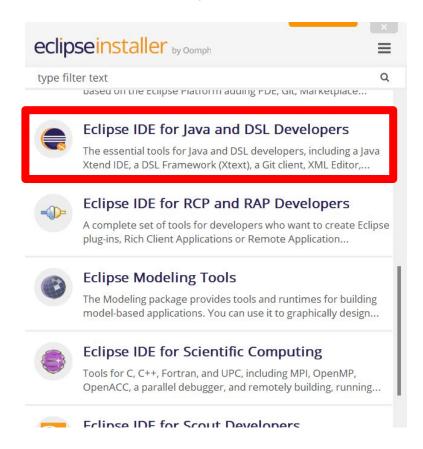


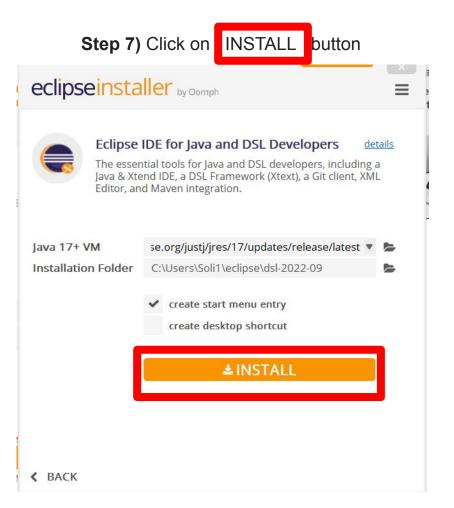
Sep 4) Install Eclipse.

- 1. Click on downloads folder in Windows
- 2. Click on eclipse-inst-win64.exe file



Step 6) Click on Eclipse IDE for Java and DSL Developers





Eclipse IDE for Java and DSL Developers



LLING

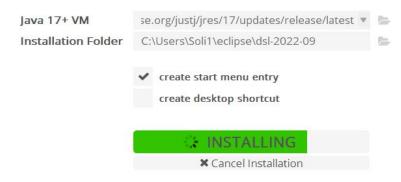
X Cancel Installation



Eclipse IDE for Java and DSL Developers

details

The essential tools for Java and DSL developers, including a Java & Xtend IDE, a DSL Framework (Xtext), a Git client, XML Editor, and Mayen integration.

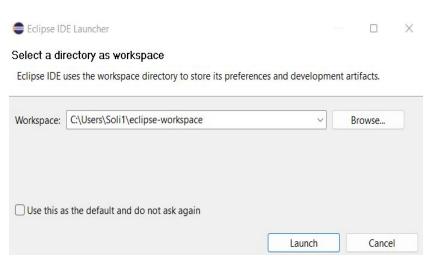


< BACK

Step 8) Click on LAUNCH button



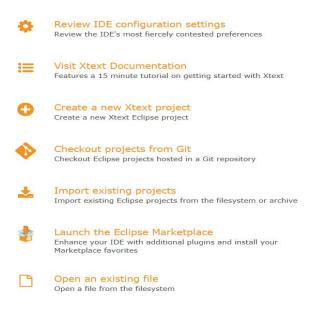
Step 9) Click on Launch button





Step 10) Click on Create a new project link

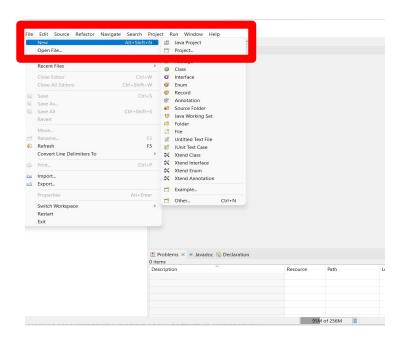






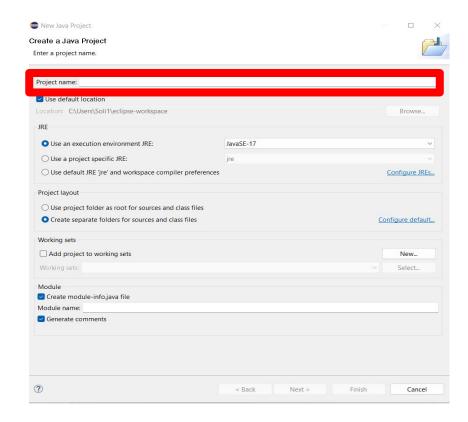
Step 11) Create a new Java Project

File->new->Java Project



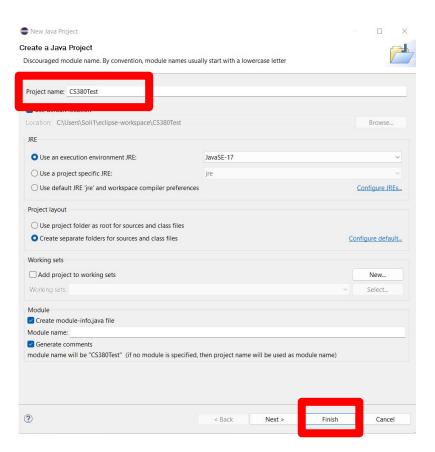
Step 12) Create a new Java Project

- Write project name
- Click on Finish button



Step 12) Create a new Java Project

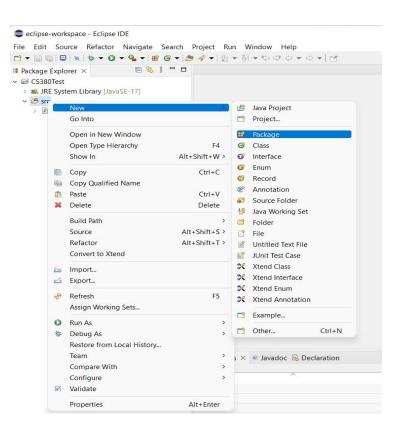
- Write project name (I write CS380Test)
- Click on Finish button



Step 13) Create Java **Package**

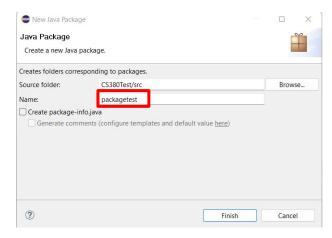
Right click on src

- Goto **src**
- Click on New
- 3. Click on Package

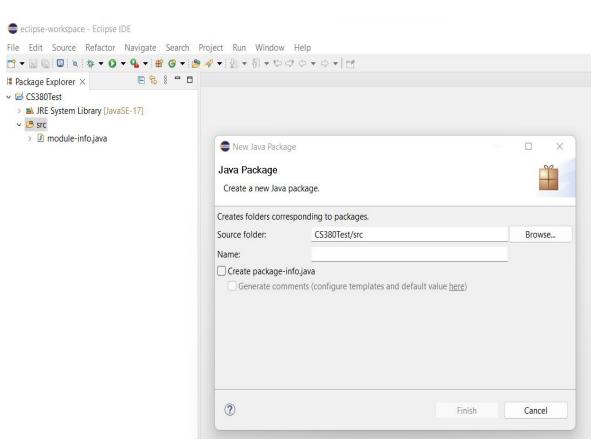


Step 14) Writing package name

- 1. Write name of the package
- Click on Finish button

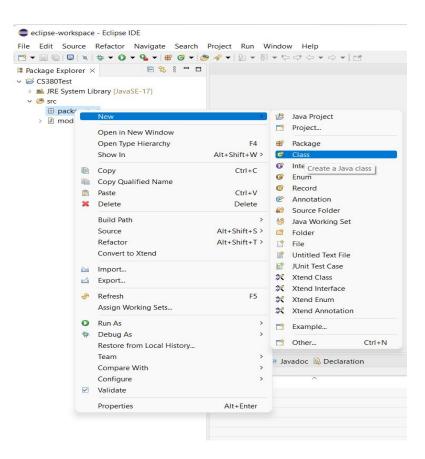


I write pachagetest



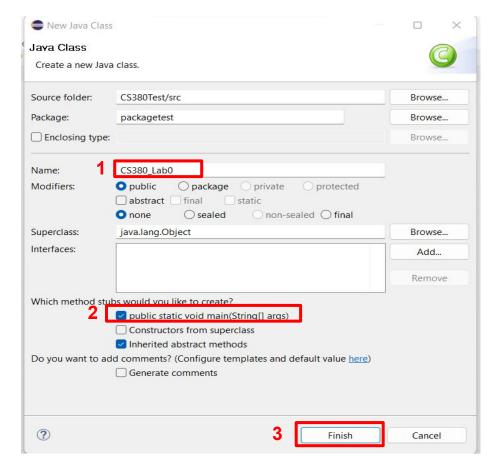
Step 15) Creating Java Class

- Click on package you have created.
- Click on New
- Click on Class



Step 16) Defining Java Class

- 1. Write class name: CS380_lab0
- Click on public static void main (String[] args) checkbox
- 3. Click on **Finish** button.



CS380_lab0.java file will be created as shown below

```
eclipse-workspace - CS380Test/src/packagetest/CS380_Lab0.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
E 😤 🖁 🗖 🔲 CS380_Lab0.java ×
                                                                                                          - 1
Package Explorer ×
1 package packagetest;
  > March JRE System Library [JavaSE-17]
                                     public class CS380 Lab0 {
 ∨ @ src
   packagetest
                                         public static void main(String[] args) {
     CS380_Lab0.java
                                             // TODO Auto-generated method stub
   > 🗓 module-info.java
                                   8
                                   9
                                   10 }
                                   11
```

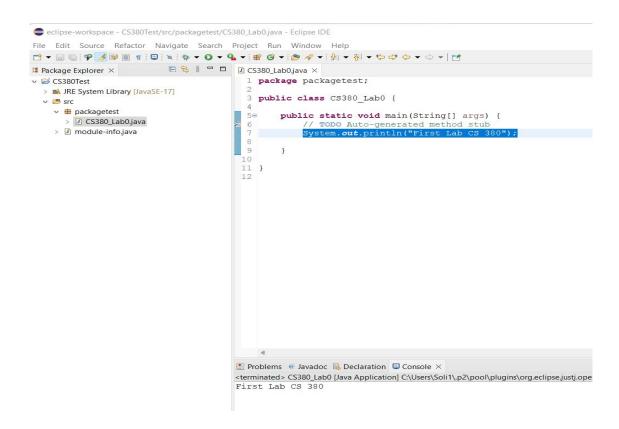
Add this line code:

System.out.println("First Lab CS 380");

Step 17) Click on Run button

```
eclipse-workspace - CS380Test/src/packagetest/CS380_Lab0.java - Eclipse IDE
   Edit Source Refactor Navigate Search Project Run Window Help
                                        回 6 格
                                      CS380_Lab0.java ×
□ Package Explorer ×
∨ B CS380Test
                                        1 package packagetest;
  > A JRE System Library [JavaSE-17]
                                         public class CS380 Lab0 {
 ∨ @ src
   public static void main(String[] args)
      CS380_Lab0.java
                                                  // TODO Auto-generated method stub
                                        6
    > 1 module-info.java
                                                  System.out.println("First Lab CS 380");
                                       8
                                        9
                                              }
                                       10
                                      11 }
                                      12
```

Output will be displayed as shown below



Exercise 1:

Reverse a Number in Java

Glven Number Reverse Number

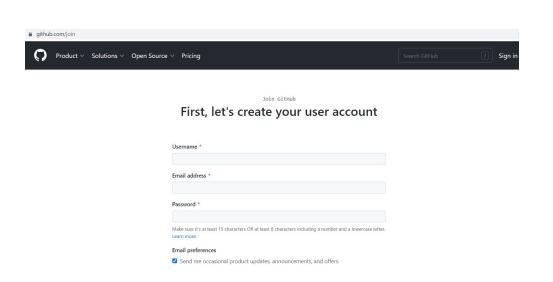
12345 54321

To send your exercise create a github account

What Is the Process for Uploading Eclipse Projects to GitHub?

First things first, download git from http://git-scm.com/.
Then go to http://github.com/ and create an account and repository.

https://github.com/join



What Is the Process for Uploading Eclipse Projects to GitHub?

On your machine, first you will need to navigate to the project folder using git bash.
When you get there you do:

```
git init
```

which initiates a new git repository in that directory. When you've done that, you need to register that new repo with a remote (where you'll upload -- push -- your files to), which in this case will be github. This assumes you have already created a github repository. You'll get the correct URL from your repo in GitHub.

```
git remote add origin https://github.com/[username]/[reponame].git
```

What Is the Process for Uploading Eclipse Projects to GitHub?

You need to add you existing files to your local commit:

```
git add . # this adds all the files
```

Then you need to make an initial commit, so you do:

```
git commit -a -m "Initial commit" # this stages your files locally for commit.
# they haven't actually been pushed yet
```

Now you've created a commit in your local repo, but not in the remote one. To put it on the remote, you do the second line you posted:

```
git push -u origin --all
```