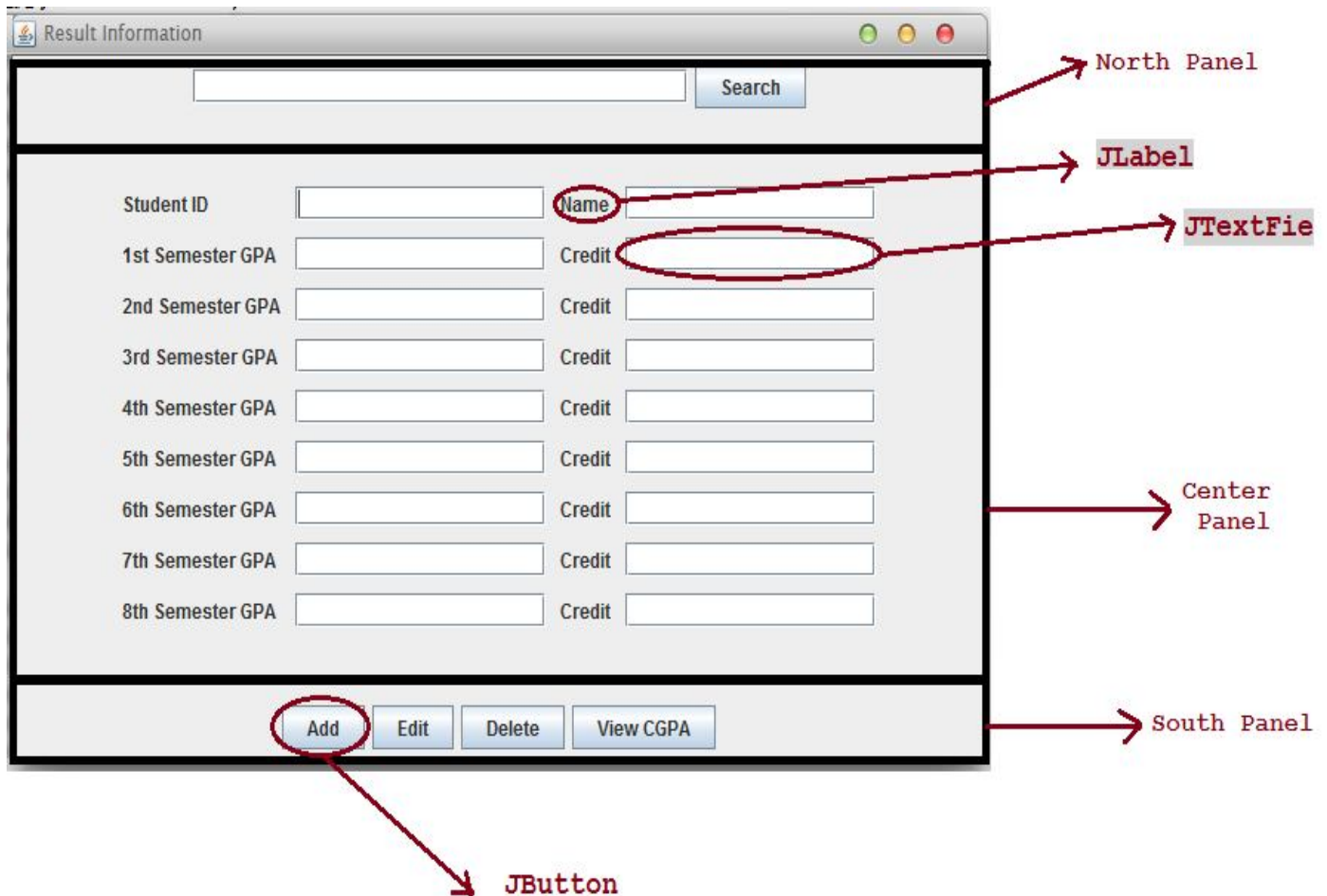


CGPA Calculation

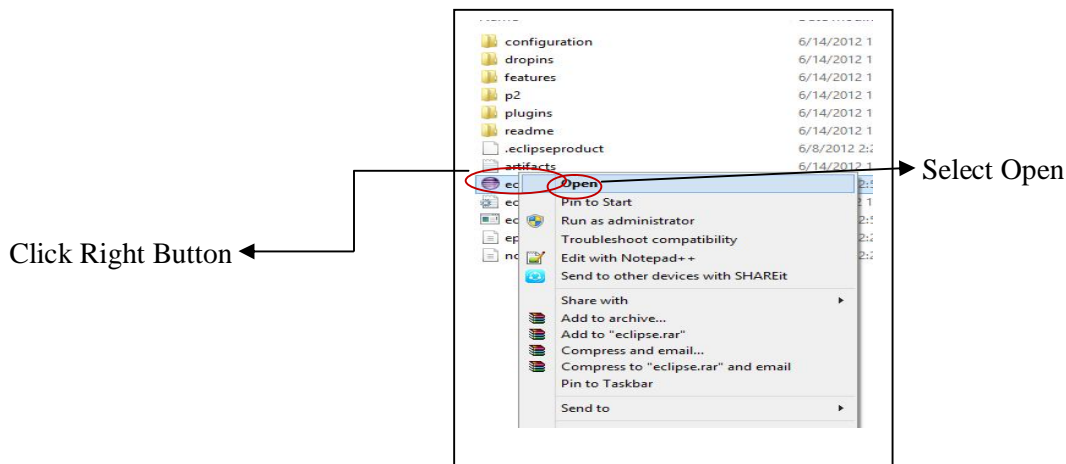
I want to development a simple java software for student's CGPA calculation. A simple sytem overview shown in following figure. Some text area, JLabel, JButton are mention in this figure.

I described my project in multiple steps as follows:

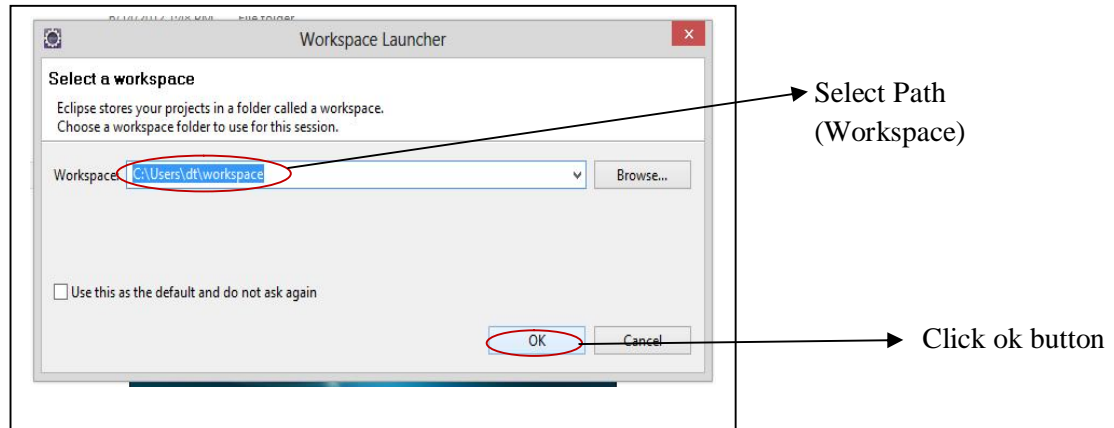
➤ My project outlook shown as bellow.



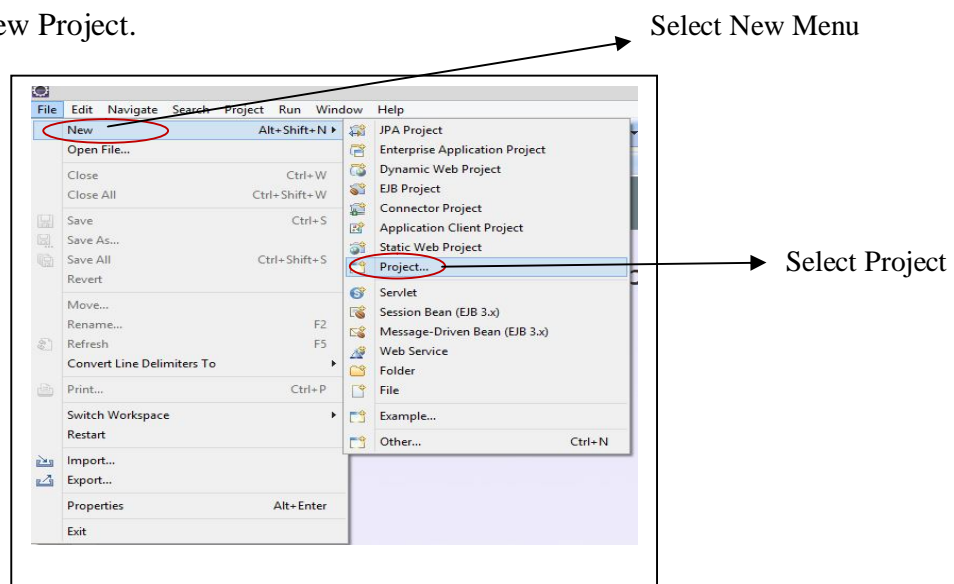
Step 1 : Open Eclips.exe file from eclipse extraction file.



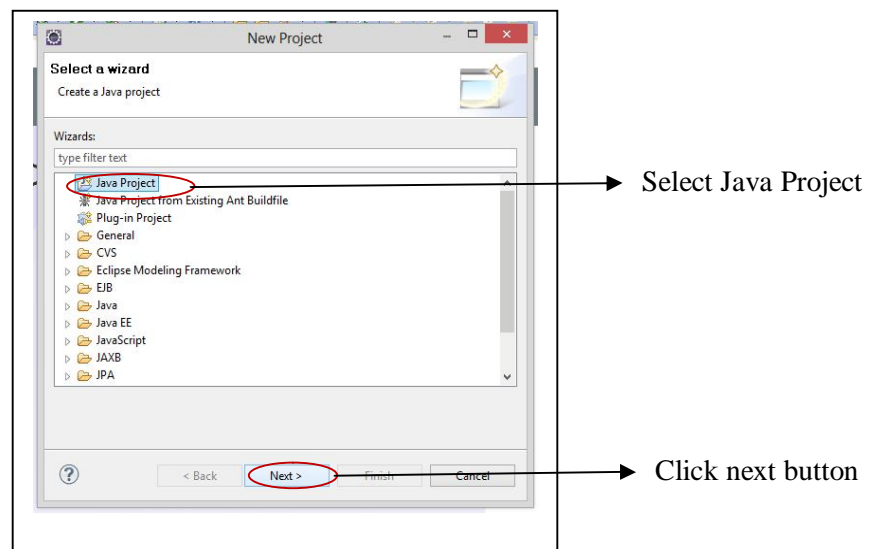
Step 2: Select workspace.for project folder creation.



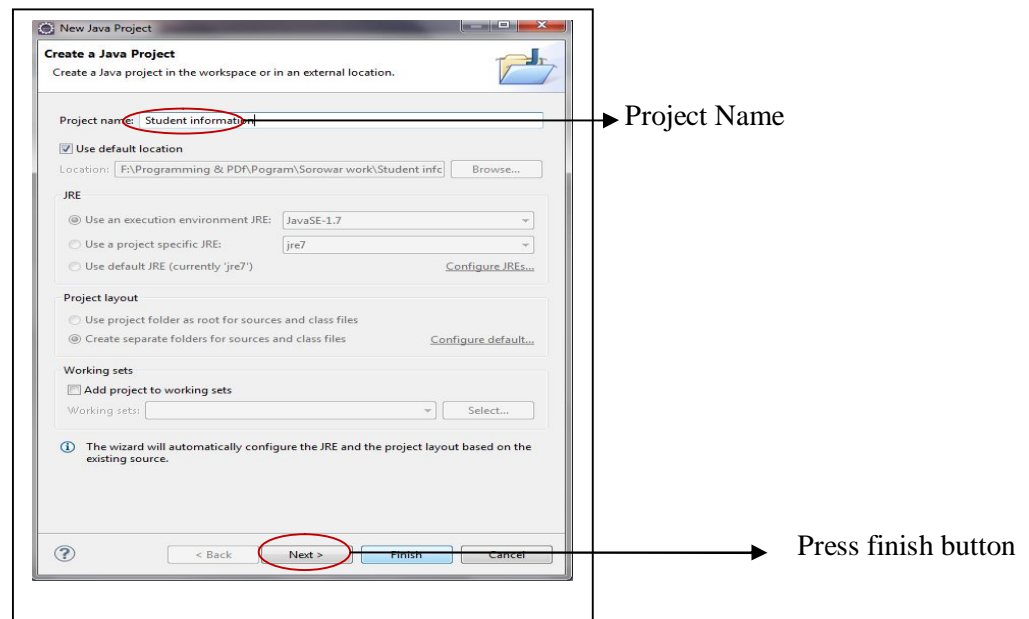
Step 3 : Create a new Project.



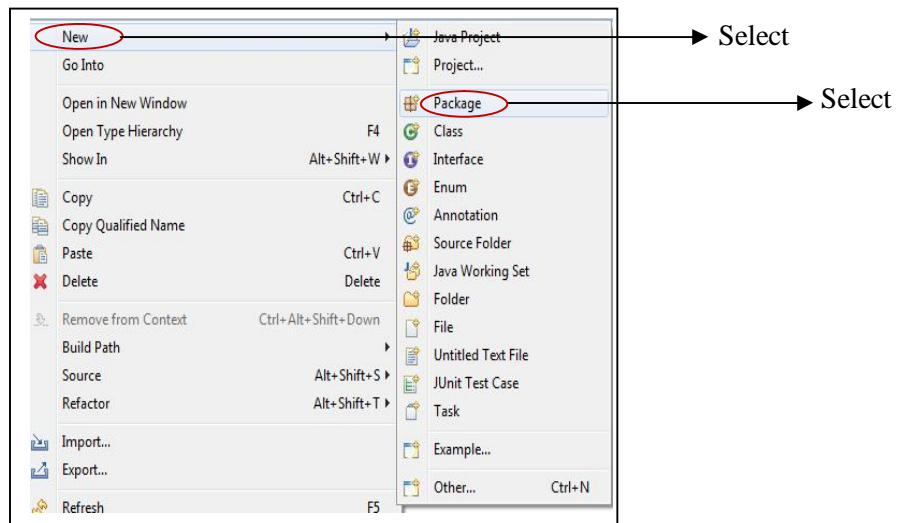
Step 4 : Select a Java Project.



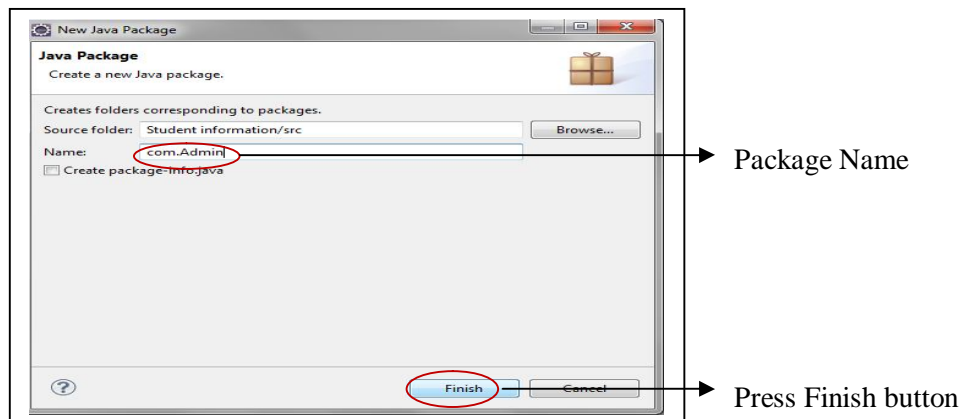
Step 5 : Give Project name.



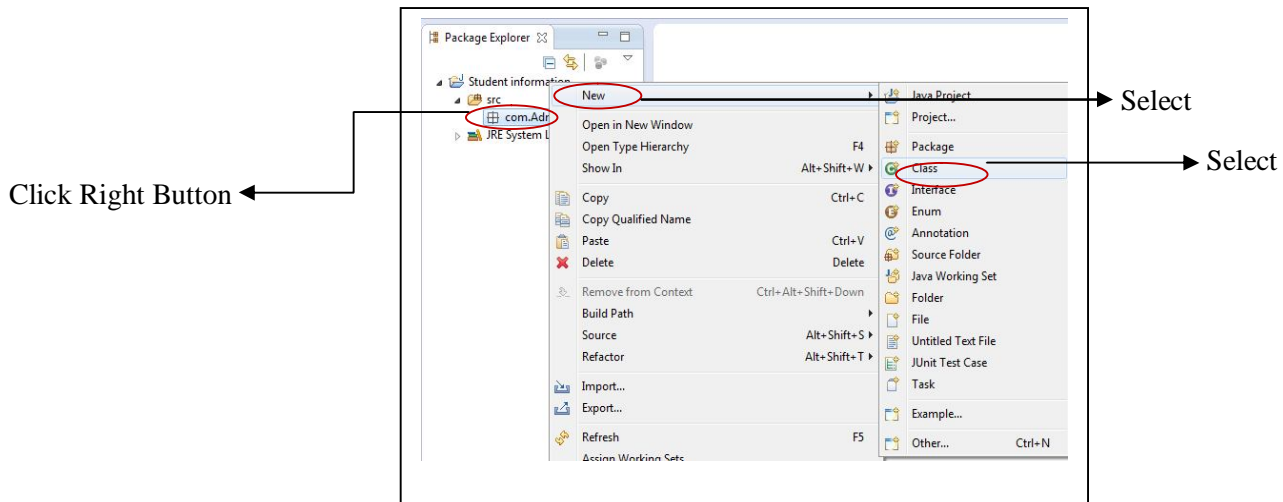
Step 6: Now create new Package.



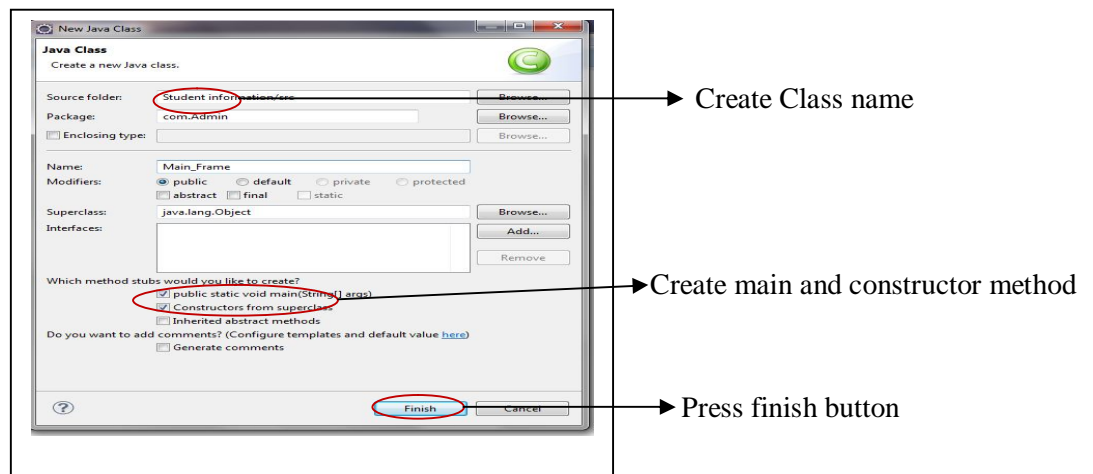
Step-7 : Create Package Name.



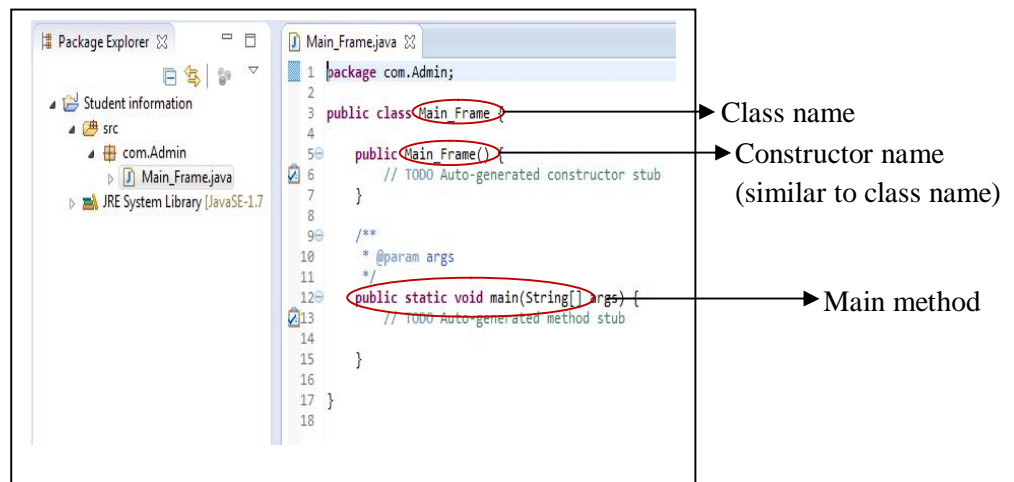
Step 8: Now Create a main Class.



Step 9 : Give class Name.



Step 10 : Show the Class name, Constructor name and Main method.



Code Description:

.....//// Create a new Frame////.....

package com.admin; → package name

public class Main_frame **extends** JFrame → Using extends keyword JFrame class is inherited

```
{  
    public Main_frame()  
    {  
        init();  
    }  
}
```

Constructor

Methods

```
public void init()  
{  
    setSize(666,444);  
    setVisible(true);  
    setLocationRelativeTo(null);  
    setTitle("Result Information");  
}
```

X axis

Y axis

Frame Size

To Visible

Frame Location

View Title

```
public static void main(String[] args)  
{  
    Main_frame mf = new Main_frame();  
}
```

Main Class

Class name

.....//// cmp() method declaration and definition.....//// //

////////component & panel add////////

```
public Main_frame()  
{  
    init();  
    cmp();  
}
```

Method for component & Panel Add

////////.....Import all important API (Application Programming Interface).....////////

```
import javax.swing.*;  
import java.awt.*;  
import java.awt.event.*;
```

Swing component

////.....Declaration JPanel, JButton, JLabel and JTextField.....////

