1. **Creating a JAR file and using the JAR file in selenium**.

A). **creating a runnable jar:-**

1. Go to project and right click on your project.

2. Select export and type jar and click on runnable jar.

3. Launch configuration- give project name- file name

4. Export destination- give path where you want to save with the filename.jar in the end.

B**). Run Selenium test through jar in command line:-**

1. Go to cmd prmt( for windows)

2. Copy the location of the file

3. in cmd ---cd path of file

4. Java –jar filename.jar

5. Then, it will automatically open browser and executes the file

**2. Create exception handling class into this project**

Exception handling is nothing but error handling. When the system finds an error then it suddenly stops execution and shut downs running of the program. To handle these kind of errors by fixing them we use exception handling.

Errors like clicking the button which we shouldn’t and some number is dividing with 0.

Public class Sample{

Public static void main(String[] args){

Scanner input= new Scanner(system.in);

Int x=1;

D0{

Try{

System.out.println(“Enter 1st num: “);

Int n1= input.nextInt();

Sytem.out.println(“Enter 2nd num: “);

Int n2= input.nextInt();

Int sum= n1/n2;

System.out.println(sum);

X==2;

}catch(Exception e){

System.out.println(“you can’t do that”);

}

} while(x==1);

}

**4. Page Object Model:-**

 this concept is used by the programmer to make code robust and make code clean. We will also use Page Object model in Selenium to make our framework efficient.