

D.Y.Patil College of Engineering Akurdi.

A Project Report On

Performing tests on

Currency Converter

SUBMITTED BY

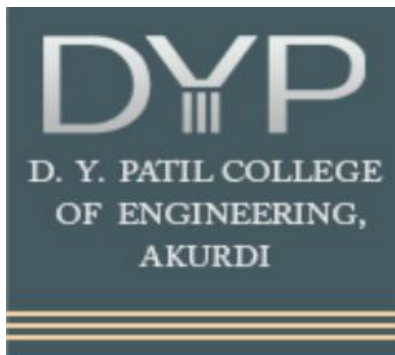
NAME: Vikas Mane(B1921152)

NAME: Abhijeet Bhalekar(B1921155)

CLASS: BE-B

GUIDED BY

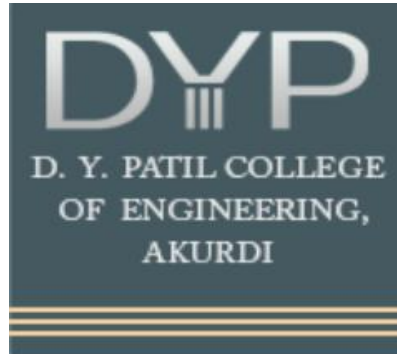
Prof. P.B.Deshmukh



COMPUTER ENGINEERING DEPARTMENT

Academic Year:2021-22

D.Y.Patil College of Engineering,Akurdi.



CERTIFICATE

This is to certify that **Mr. Vikas Mane(B1921152),Abhijeet Bhalekar(B1921155)**, a students of B.E. (Computer Engineering Department)

Batch 2021-2022, has satisfactorily completed a project report on “**Performing tests on Currency Converter**” under the guidance of **Prof. P.B.Deshmukh**, towards the partial fulfillment of the fourth year Computer Engineering Semester I of Pune University.

Prof. P.B.Deshmukh
Project Guide

Dr. D.A.Potey
Head of Department

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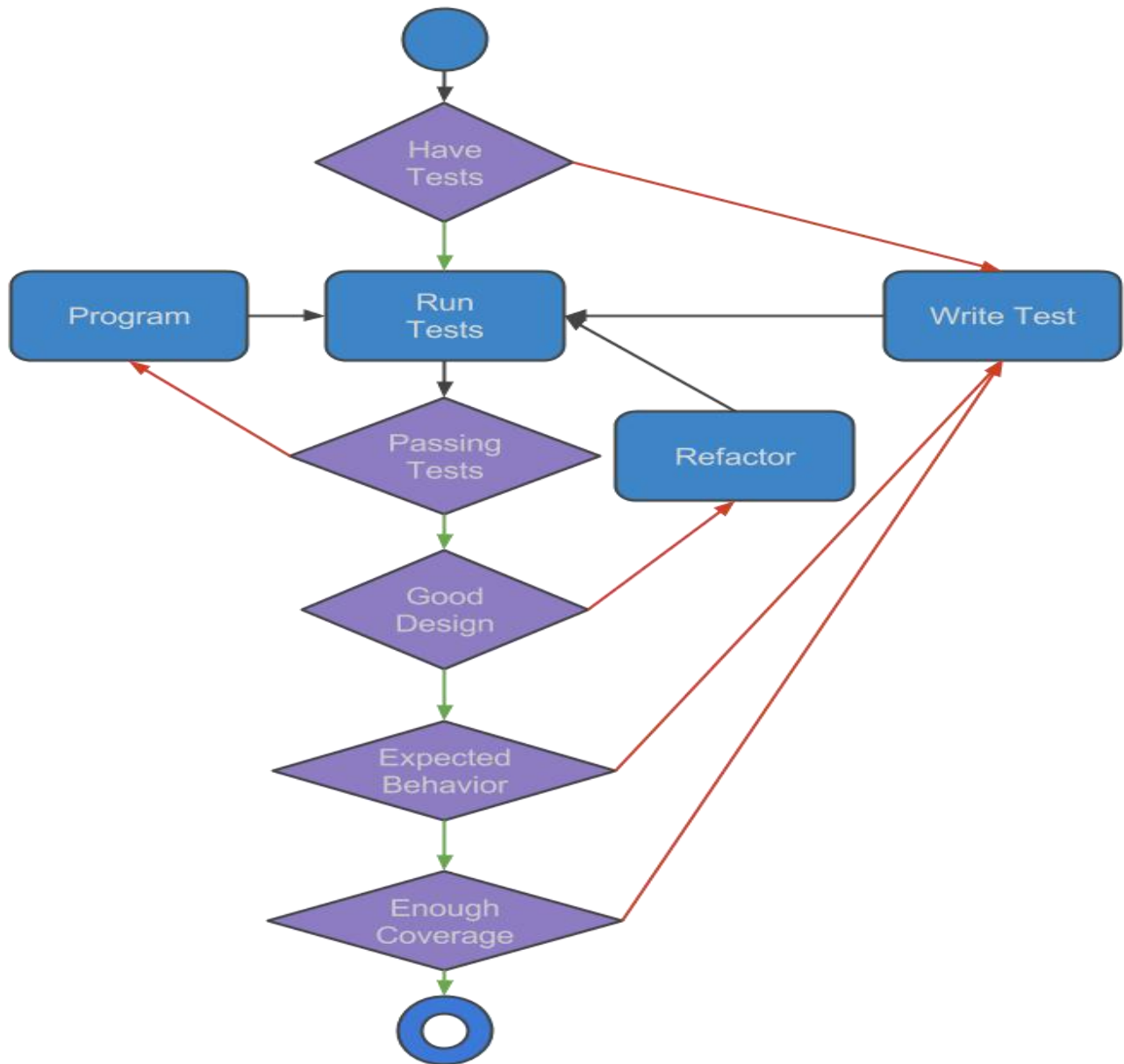
1. PROBLEM STATEMENT

Perform Desktop Application testing using Automation Tool like JUnit generate Test Report by Using tool like Apache Maven.

2. INTRODUCTION

- ◆ White Box Testing is a software testing method in which the internal structure/ design/ implementation of the item being tested is known to the tester.
- ◆ Unit Testing of software applications is done during the development (coding) of an application. The objective of Unit Testing is to isolate a section of code and verify its correctness. In procedural programming a unit may be an individual function or procedure The goal of Unit Testing is to isolate each part of the program and show that the individual parts are correct. Unit Testing is usually performed by the developer.
- ◆ Black Box Testing is a software testing method in which the internal structure/ design/ implementation of the item being tested is not known to the tester

3. METHODOLOGY



4.OUTPUT

1.TEST

```
Select Command Prompt
C:\Users\Abhib\workspace\MavenTestProject>cd C:\Users\Abhib\workspace\CurConProject

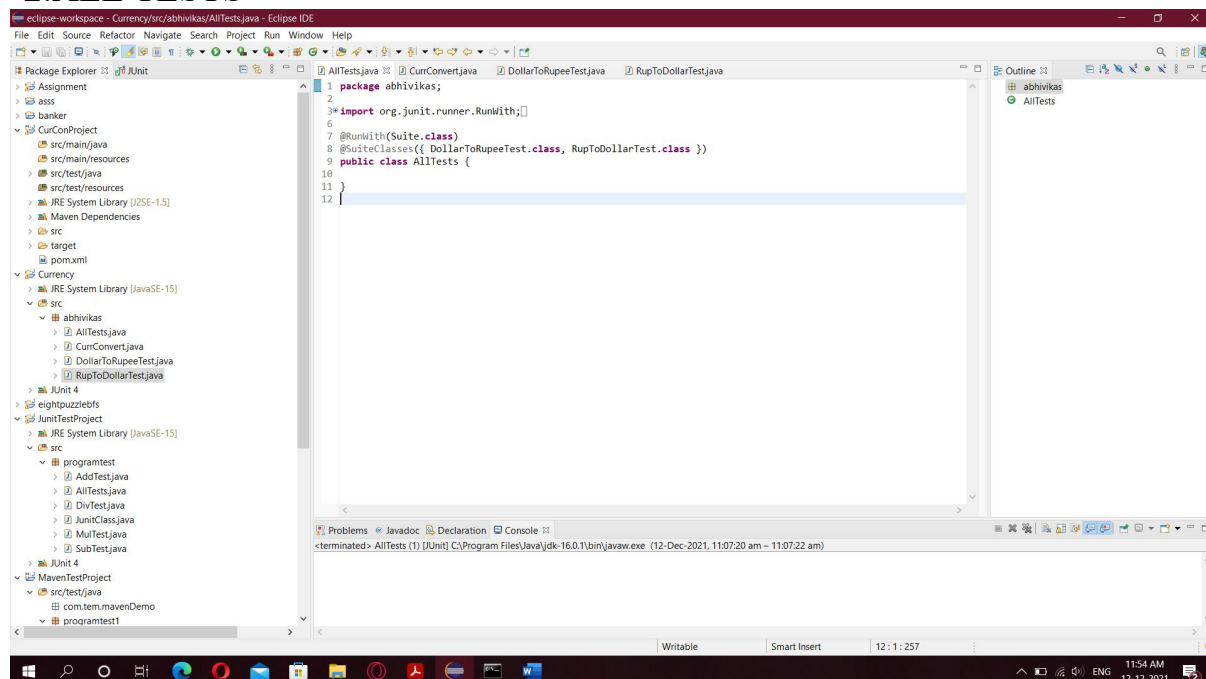
C:\Users\Abhib\workspace\CurConProject>mvn test -Dtest=AllTest
[INFO] Scanning for projects...
[INFO]
[INFO] -----< MavenTestReportDemo:MavenTestProject >-----
[INFO] Building MavenTestProject 0.0.1-SNAPSHOT
[INFO]
[INFO] -----[ jar ]-----
[INFO]
[INFO] --- maven-resources-plugin:2.6:resources (default-resources) @ MavenTestProject ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:compile (default-compile) @ MavenTestProject ---
[INFO] Nothing to compile - all classes are up to date
[INFO]
[INFO] --- maven-resources-plugin:2.6:testResources (default-testResources) @ MavenTestProject ---
[WARNING] Using platform encoding (Cp1252 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] Copying 0 resource
[INFO]
[INFO] --- maven-compiler-plugin:3.1:testCompile (default-testCompile) @ MavenTestProject ---
[INFO] Changes detected - recompiling the module!
[WARNING] File encoding has not been set, using platform encoding Cp1252, i.e. build is platform dependent!
[INFO] Compiling 4 source files to C:\Users\Abhib\workspace\CurConProject\target\test-classes
[INFO]
[INFO] --- maven-surefire-plugin:2.12.4:test (default-test) @ MavenTestProject ---
[INFO] Surefire report directory: C:\Users\Abhib\workspace\CurConProject\target\surefire-reports

-----
T E S T S
-----
Running CurrTest.DollarToRuppeeTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.187 sec
Running CurrTest.RupToDollarTest
Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0 sec
Results :

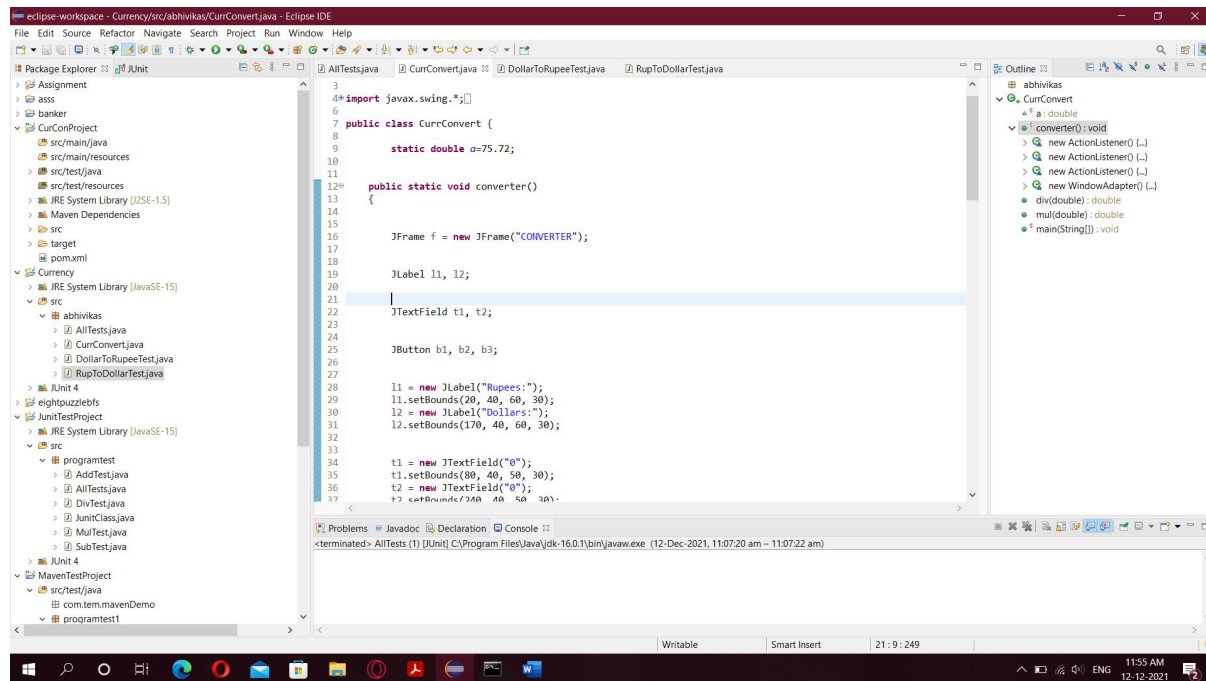
Tests run: 2, Failures: 0, Errors: 0, Skipped: 0

[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 7.220 s
[INFO] Finished at: 2021-12-12T11:38:17+05:30
[INFO] -----
C:\Users\Abhib\workspace\CurConProject>
```

2.ALL TESTS

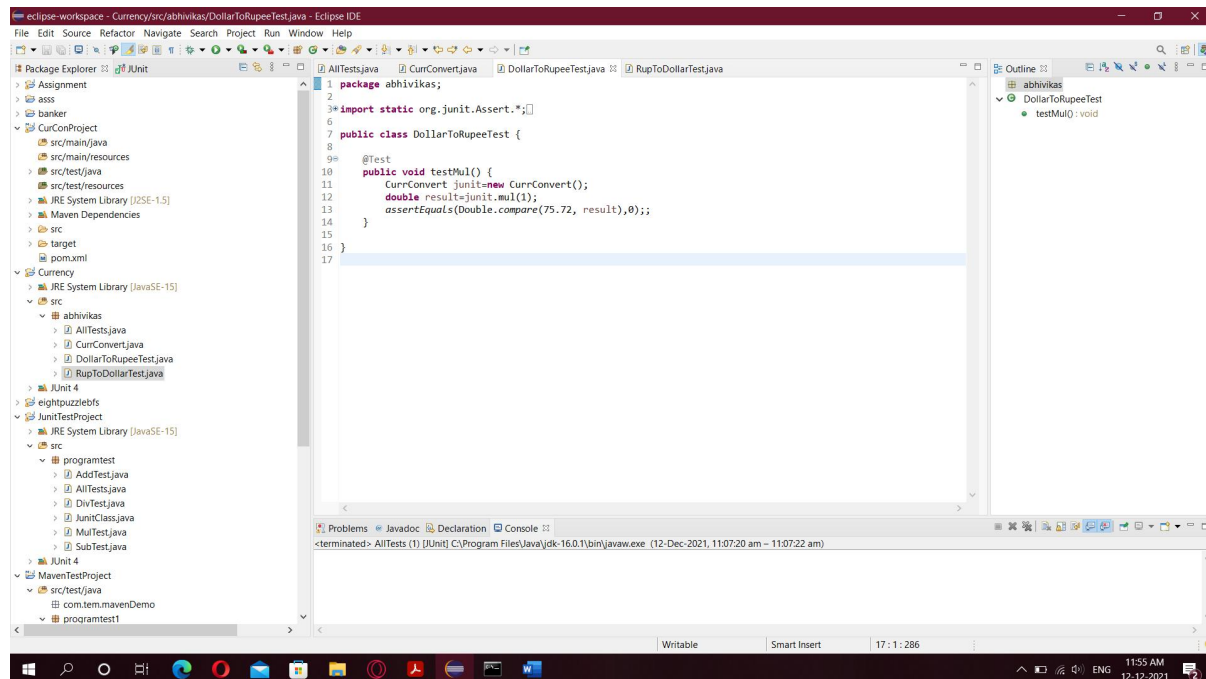


3.Main Code



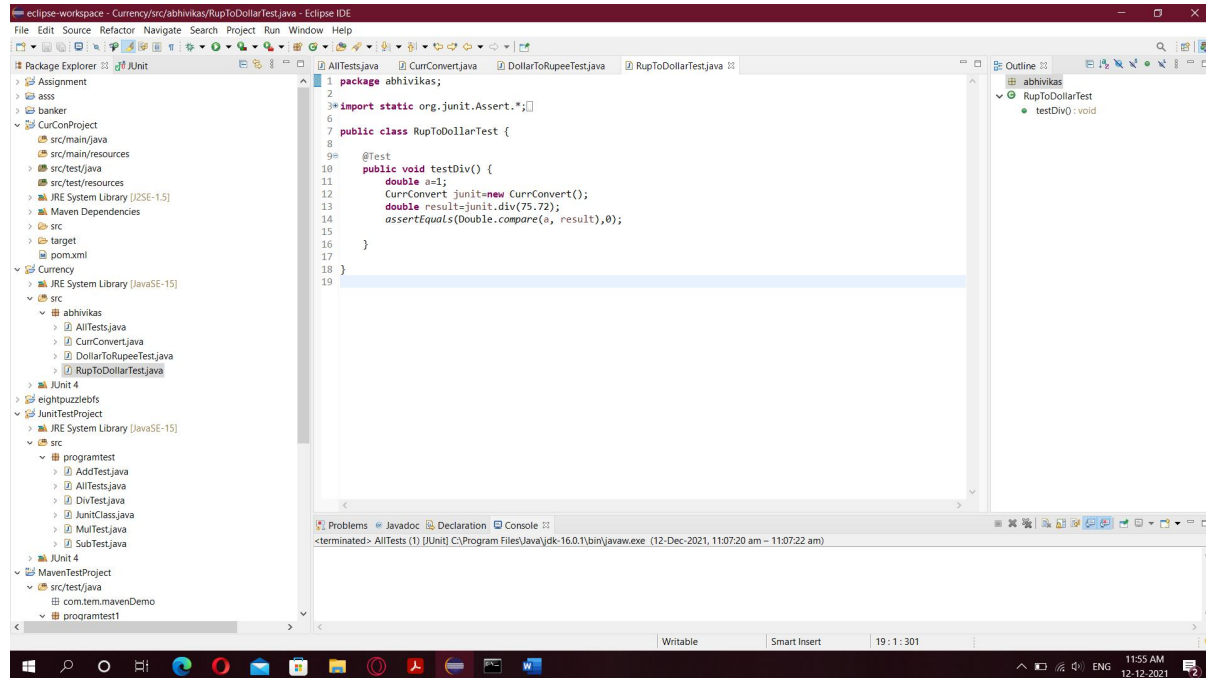
```
3  4*import javax.swing.*;
6
7  public class CurrConvert {
8
9      static double a=75.72;
10
11
12
13  public static void converter()
14  {
15
16      JFrame f = new JFrame("CONVERTER");
17
18
19      JLabel l1, l2;
20
21
22      JTextField t1, t2;
23
24
25      JButton b1, b2, b3;
26
27
28      l1 = new JLabel("Rupees:");
29      l1.setBounds(20, 40, 60, 30);
30      l2 = new JLabel("Dollars:");
31      l2.setBounds(170, 40, 60, 30);
32
33
34      t1 = new JTextField("0");
35      t1.setBounds(80, 40, 50, 30);
36      t2 = new JTextField("0");
37      t2.setBounds(170, 40, 50, 30);
38  }
```

4.Dollar to rupee



```
1  package abhivikas;
2
3  import static org.junit.Assert.*;
4
5
6
7  public class DollarToRupeeTest {
8
9
10
11  @Test
12  public void testMul() {
13      CurrConvert junit=new CurrConvert();
14      double result=junit.mul(1);
15      assertEquals(Double.compare(75.72, result),0);
16  }
17 }
```

5.Rupee to Dollar



6.REFERENCES

- I. <https://maven.apache.org>
- II. <https://mvnrepository.com/artifact/junit/junit>
- III. <https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-server>
- IV. <https://docs.oracle.com/en/database/oracle/machine-learning/oml4r/1.5.1/oread/creating-and-modifying-environment-variables-on-windows.html>