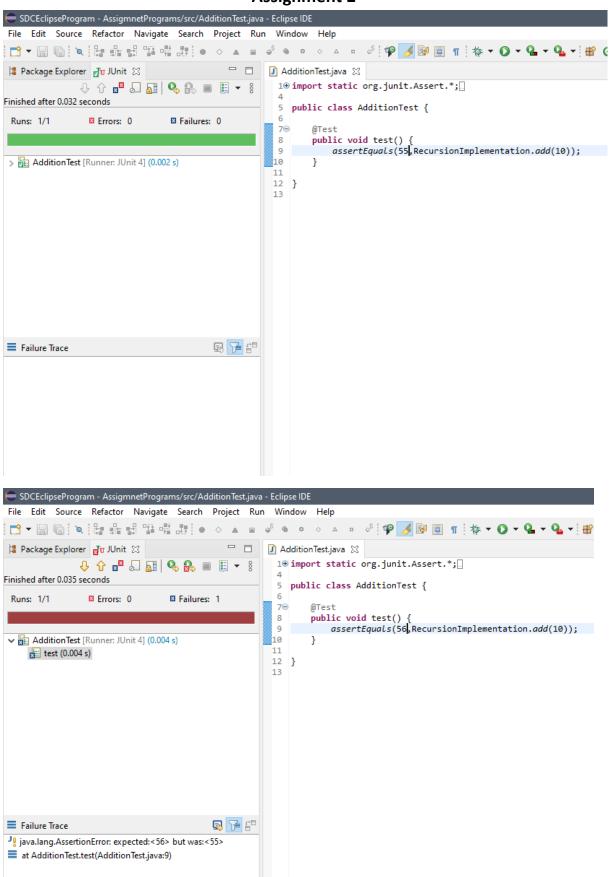
#### **SOLUTION 1B:-**

```
SDCEclipseProgram - AssigmnetPrograms/src/RecursionImplementation.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
☑ RecursionImplementation.java 

☑ AdditionTest.java
-8
     public class RecursionImplementation {
₫ŧ
    4⊝
          public static long add(int number) {
              if(number == 0) {
                 return 0;
              else {
     8
     9
                 return number + add(number - 1);
     10
     11
              }
     12
     13
           }
    14
    15
    16
    17 }
👄 SDCEclipseProgram - AssigmnetPrograms/src/AdditionTest.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
☑ RecursionImplementation.java
☑ AdditionTest.java
    1⊕ import static org.junit.Assert.*;[
-8
    5 public class AdditionTest {
₽ŦŮ
     7⊝
          @Test
          public void test() {
     8
     9
            assertEquals(55,RecursionImplementation.add(10));
     10
     11
    12 }
    13
```



#### **SOLUTION 2:-**

SOLUTION 2:-
public interface Tau {
void Travel();
J public also WorldTow implements Town
E public void Travel()
anoutworld Town Desc ();
public void showward Turbesc ()
3 3
public class Film Towns implements Tom
public void Tavel ()
showfilmTowDex();
3
public viel showfilmtownesse()
3

Date: public class some ? private List ( Bur) tous; public void display()
tows.for Each (t > + Travel(

#### **SOLUTION 3:-**

public class Fansaction
private Display display;
public Transaction (Display ohisplay).
this . display = display;
public void deposit (int Amount)
int bal = bank.getBal(); balt= Amout;
int bal = bank.get Bal();  balt= Amout;  display. show(mount(bal));  3  import junit. pumewood;
public class TransactionTest extends Test Case
public void lest Display Amount ()  Lake Display display = new fortce Display ();
Transaction += new Transaction(display);  todeposit (5000)  assert (quals (15000, display, get Amount);
)

public class fakeDisplay implements Di	
private intamountj.	
public void showAmout (intermount)	
this amount = amount;	And I
public int getAmount()	
return amout (5);	1 Hari
3 Armit what	
3 (1200) marife and exists	
3	
A count in	
The tenter of the tenter of the	pole ille
Cotton Redgarden Line of	deg
the state of the s	
The state of the s	
and the state of t	
The state of the s	

Assignific	
Transaction	100
+ deposit ( deposit Amount	: INE /
	Art RS6 Display
Transaction	The state of the s
1	+ Show Amount (amantin)
+ deposit deposit Amount. Int	Tanour sessionantini)
	[ ceinterface ss
Tronsaction	N.Dio.
1	34 -
taleposit aleposit Amount int	tihowAmount amount int
	1
1	
1	
Art R 56 Display	
	Fake Display
+Show Amount (amount	- amount: int
(int)	+get Amound / lint
	+ 51 0
	+ Show Amount (maple)
	int
	Market State
and the last will be a second	
A Company of the Comp	