JUNIT TEST CASE

```java
package example1;

import static org.junit.jupiter.api.Assertions.*;

import org.junit.jupiter.api.Test;

class Sampletestcase {

        public double balance(int amount, double rate, int year){

            double yearlyRate = amount * rate;

            double totalAmount= amount;


            System.out.print(amount + " :- " + " grows with the interest rate of " + rate);


            for (int i = 0; i <= year; i++ ){

                    totalAmount = totalAmount + yearlyRate;

                    System.out.println(i + "   " + totalAmount);

             }

            System.out.println(totalAmount);

            return totalAmount;

        }


        @Test
        void test() {

                //fail("Not yet implemented");

                double res=balance(2500,2.5,5);

                assertEquals(40000.0, res);

        }

}
```

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example1

Sampletestcase.java

```java
10          double totalAmount= amount;
11
12
13          System.out.print(amount + " :- " + " grows with the interest rate of " + rate);
14
15          for (int i = 0; i <= year; i++ ){
16
17
18                  totalAmount = totalAmount + yearlyRate;
19                  System.out.println(i + "    " + totalAmount);
20          }
21          System.out.println(totalAmount);
22          return totalAmount;
23
24      }
25
26⊖     @Test
27      void test() {
28          //fail("Not yet implemented");
29          double res=balance(2500,2.5,5);
30          assertEquals(40000.0, res);
31      }
32
33 }
34
```

Outline

example1
Sampletestcase
  balance(int, double, int) : double
  test() : void

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Runs: 1/1   Errors: 0   Failures: 0

Sampletestcase [Runner: JUnit 5] (0.000 s)   Failure Trace