29. JUNIT TESTING TO CHECK WHETHER THE SIMPLE INTEREST IS VALID OR NOT

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AIM

To Perform junit Testing to Check Whether the Calculated simple interest is valid or not

PROGRAM

```
package sse;
import static org.junit.Assert.assertTrue;
import java.util.Scanner;
class intrest
{
    public static void main(String[] args)
    {
        Scanner sc=new Scanner(System.in);
        float P=sc.nextFloat();
        float R=sc.nextFloat();
        float T=sc.nextFloat();
        float SI = (P * T * R) / 100;
        System.out.println("Simple interest = " + SI);
        assertTrue(12000==SI);
    }
}
```

```
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                                                                                                                                     1 package sse;
  > 👺 sse
                                                                                                                                       3⊕ import static org.junit.Assert.assertTrue;
                                                                                                                                       5 class intrest
                                                                                                                                      6 {
7⊜
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float T=SC.neXtFloat();
float SI = (P * T * R) / 100;
System.out.println("Simple interest = " + SI);
assertTrue(12000==SI);
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    Problems @ Javadoc    Declaration    □ Console    □

                                                                                                                                  <terminated> intrest [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:45:44 pm)
                                                                                                                                  Simple interest = 12000.0
arunk - sse/src/sse/intrest.java - Eclipse IDE
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                                                                                                                                                                 float P=SC.nextFloat();
float T=Sc.nextFloat();
float SI = (P * T * R) / 100;
System.out.println("Simple interest = " + SI);
assertTrue(12000=SI);
                                                                                                                                     17
18

    Problems @ Javadoc    Declaration    □ Console 
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                                                                                                                                   <terminated> intrest [Java Application] C:\Program Files\Java\jre1.8.0_171\bin\javaw.exe (25-May-2023, 3:47:16 pm)
                                                                                                                                   Simple interest = 40000.0
Exception in thread "main" java.lang.AssertionError
                                                                                                                                                    at org.junit.Assert.fail(<u>Assert.java:86</u>)
at org.junit.Assert.assertTrue(<u>Assert.java:41</u>)
                                                                                                                                                       at org.junit.Assert.assertTrue(<u>Assert.java:52</u>)
                                                                                                                                                       at sse.intrest.main(<u>intrest.java:15</u>)
```

RESULT

Hence the junit Testing Check Whether the Calculated simple interest is valid or not performed successfully.