Unit Testing Example

1. In eclipse I set up a add method which takes an integer input(“num”) and returns the sum of the input as the output.

Graphical user interface, application

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1. I also have a Junit test case where I am using the UnitTesting.java class and creating a new UnitTesting object called “test”. The integer output which is calling the add method. In the add method I am making the number 5 as the input number. Inside the assertEquals method I am comparing the number 10(which is the sum for 5+5) and what the output is going to be.

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1. When the junit test is run it will show that the test has been successful. This means that the output which is calculated to be number 10 has matched the number which is being matched to.



Graphical user interface, application

Description automatically generated

1. In this case I changed the number which I am comparing to the number 20. When the test is run is shows that the test was unsuccessful meaning that the input and output numbers don’t match which is correct.

A screenshot of a computer

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