

Content Beyond the Syallabus

Experiment No.12

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Q. Write a Simple Java program to perform an arithmetic operation on two numbers.

Theory:

Some Relational operators in Java programming:

- ==, Equal to: returns true if the left-hand side is equal to the right-hand side.
- !=, Not Equal to: returns true if the left-hand side is not equal to the right-hand side.
- <, less than: returns true if the left-hand side is less than the right-hand side.
- <=, less than or equal to returns true if the left-hand side is less than or equal to the right-hand side.
- >, Greater than: returns true if the left-hand side is greater than the right-hand side.
- >=, Greater than or equal to: returns true if the left-hand side is greater than or equal to the right-hand side.

Assignment Operator: '=' Assignment operator is used to assigning a value to any variable. It has a right to left associativity, i.e. value given on the right-hand side of the operator is assigned to the variable on the left, and therefore right-hand side value must be declared before using it or should be a constant.

Program Code:

```
class Main {  
  
    public static void main(String[] args) {  
  
        System.out.println("Enter two numbers");  
        int first = 10;  
        int second = 20;  
  
        System.out.println(first + " " + second);  
  
        int sum = first + second;  
        System.out.println("The sum is: " + sum);  
    }  
}
```

Program Output:

Output

```
java -cp /tmp/5wvfQ88KfE Main
```

```
Enter two numbers10 20
```

```
The sum is: 30
```

Conclusion:

Thus, we successfully implemented a arithmetic operating using the java programming language.