

# Core Java Revision

## Assignment, Basic Fundamentals

[Publish Date]

Q1 Write a program to add all even numbers from the given range.

Output Sequence

User enters min range value: 47

User enters max range value: 59

So your code should identify all even numbers between that ranges and calculate the sum of all

Like: 48+50+52+54+56+58

**Output should be: 318**

Also, test and verify output for other input range

Q2 Based on the above code , create a separate method and this method should generate a different output format of the above problem.

output should be : **48+50+52+54+56+58 = 318**

Q3, Based on the above code, create a separate method and calculate the average instead of sum.

Output should be : **(48+50+52+54+56+58)/6 = 53**

Also test and verify output for other input range

Q4 : String msg = "This batch is going to extend", based on string variable msg performs following operations

4.a) calculate the vowels in the whole string: 8

Q5) Based on the above Question, display the output as

This : I is a vowel

Batch : a is a vowel

Going : o is a vowel

To : o is a vowel

Extend: e,e is a vowel

*Note : a word can contain more than one vowel .*

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Q6) Based on the above question print the words having the same character twice.

Q7) Write the program to calculate the Bill of coffee based on the coffee size.

The size of the coffee major in the form of enums

```
Enum CoffeeSize{
    SMALL,
    MEDIUM,
    LARGE
}
```

Any customer can order any amount of coffee for example

2 Large & 2 Small size of Coffee.

**Note : Take random amount of coffee cost**

Q8) Write a program to input a number as date and add suffix for example

If user enter 13 , output should be 13th

If user enter 31, output should be 31st

If user enter -1 , output should be wrong date

Q9) Write a program to print the following pattern

```
*
* *
*  *
*    *
* * * * *
```

Note that depth of the triangle can be entered by user.

Q10) Write a program to print the following table of any number between two ranges

For example

Table of 13 from 61 to 66

Output should be

13 X 61 = 793

.

Upto 66