

Assignment – 2

1. Write a java program to find maximum number from given 3 numbers.
2. Write a java program to find sum of digits in any number. e.g. number is 435 sum is 12
3. Write a Java program to input any alphabet and check whether it is vowel or consonant.
4. Write a Java program to input basic salary of an employee and calculate its

Gross salary according to following -

Basic Salary \leq 10000: HRA = 20%, DA = 80%

Basic Salary \leq 20000: HRA = 25%, DA = 90%

Basic Salary $>$ 20000: HRA = 30%, DA = 95%

5. Write a Java program to create a Simple Calculator using switch. Program should accept 2 numbers. Console will display following choices -
 1. Add
 2. Subtract
 3. Multiply
 4. DivideBased on user input, perform given operation.
6. Write a program that displays the day of the week corresponding to the number entered i.e. 1 - "Monday", 2 - "Tuesday" and so on. For any integer input not between 1 to 7 it should display "error, day does not exist".
7. WAP to print Fibonacci series up to 20 terms.
8. WAP to check no is Krishnamurthy or not (Using while loop)
i.e. $153 = 1! + 5! + 3! = 153$
9. Find all prime number between 1 to 50.
10. Draw the below pattern -

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

* * * * *

* * * *

* * *

* *

*

1

2 1

3 2 1

4 3 2 1

5 4 3 2 1

A

A B

A B C

A B C D

A B C D E

A B C D E F