

1. Write a Java program to get a number from the user and print whether it is positive or negative.

Test Data

Input number: 35

Expected Output :

Number is positive

2. Write a Java program that takes three numbers from the user and prints the greatest number.

Test Data

Input the 1st number: 25

Input the 2nd number: 78

Input the 3rd number: 87

Expected Output :

The greatest: 87

3. Write a Java program that takes a number from the user and generates an integer between 1 and 7. It displays the weekday name.

Test Data

Input number: 3

Expected Output :

Wednesday

4. Write a Java program that requires the user to enter a single character from the alphabet. Print Vowel or Consonant, depending on user input. If the user input is not a letter (between a and z or A and Z), or is a string of length > 1, print an error message.

Test Data

Input an alphabet: p

Expected Output :

Input letter is Consonant

5. Write a Java program that takes a year from the user and prints whether it is a leap year or not.

Test Data

Input the year: 2016

Expected Output :

2016 is a leap year

6. Write a Java program to display the first 10 natural numbers.

Expected Output :

The first 10 natural numbers are:

```
1
2
3
4
5
6
7
8
9
10
```

7. Write a Java program to display n terms of natural numbers and their sum.

Test Data

Input the number: 2

Expected Output :

```
Input number:
2
The first n natural numbers are :
2
1
2
The Sum of Natural Number upto n terms :
23
```

8. Write a program in Java to input 5 numbers from the keyboard and find their sum and average.

Test Data

Input the 5 numbers : 1 2 3 4 5

Expected Output :

```
Input the 5 numbers :
1
2
3
4
5
The sum of 5 no is : 15
The Average is : 3.0
```

9. Write a Java program to display the cube of the given number up to an integer.

Test Data

Input number of terms : 4

Expected Output :

```
Number is : 1 and cube of 1 is : 1
Number is : 2 and cube of 2 is : 8
Number is : 3 and cube of 3 is : 27
Number is : 4 and cube of 4 is : 64
```

10. Write a Java program to display the multiplication table of a given integer.

Test Data

Input the number (Table to be calculated) : Input number of terms : 5

Expected Output :

```
5 X 0 = 0
5 X 1 = 5
5 X 2 = 10
5 X 3 = 15
5 X 4 = 20
5 X 5 = 25
```

11. Write a Java program that displays the sum of n odd natural numbers.

Test Data

Input number of terms is: 5

Expected Output :

```
The odd numbers are :
1
3
5
7
9
The Sum of odd Natural Number upto 5 terms is: 25
```

12. Write a java program to display reverse of a number.

input ----125 output ---521

13. Write a java program to display given number is armstrong or not.

153 = 1*1*1+5*5*5+3*3*3 =153

14. Write a program to print Fibonacci series of n terms where n is input by user :

0 1 1 2 3 5 8 13 24

15

Write a program to calculate the sum of following series where n is input by user.

$1 + 1/2 + 1/3 + 1/4 + 1/5 + \dots + 1/n$

16. Write a Java program to display the pattern like a right angle triangle with a number.

Test Data

Input number of rows : 10

Expected Output :

```
1
12
123
1234
12345
123456
1234567
12345678
123456789
12345678910
```

17. Write a program in Java to make such a pattern like a right angle triangle with a number which repeats a number in a row.

The pattern is as follows :

```
1
22
333
4444
```

18. Write a Java program to make such a pattern like a right angle triangle with the number increased by 1.

The pattern like :

```
1
2 3
4 5 6
7 8 9 10
```

19. Write a program that accepts three numbers from the user and prints "increasing" if the numbers are in increasing order, "decreasing" if the numbers are in decreasing order, and "Neither increasing or decreasing order" otherwise.

Test Data

Input first number: 1524

Input second number: 2345

Input third number: 3321

Expected Output :

Increasing order

20 . write a program to Check Whether a Given Number is Prime or Not.

21. write a program to Check Whether a Given Number is Prime or Not.