

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

3.2 Take three numbers from the user and print the greatest number

3.3 Write a Java program that keeps a number from the user between 1 and 7 and displays the name of the weekday

3.4 Write a Java program to find the number of days in a month

Test Data

Input a month number: 2

Input a year: 2016

Expected Output :

February 2016 has 29 days

3.5 Write a Java program that takes the user to provide a single character from the alphabet. Print Vowel or Consonant, depending on the 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

3.6 Write a Java program that takes a year from user and print whether that year is a leap year or not

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

3.8 Write a program in Java to display the cube of the number upto given 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

3.9 Write a program in Java to display the multiplication table of a given integer

3.10 Write a program in Java to display the pattern like 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
```

3.11 Write a program in Java to make such a pattern like a right angle triangle with a number that will repeat a number in a row. The pattern is as follows

```
1
22
333
4444
```

3.12 Write a program in Java to make such a pattern like right-angle triangle with a number increased by 1. The pattern like

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

3.13 Write a program in Java to make such a pattern like a pyramid with a number which will repeat the number in the same row

```
1
2 2
3 3 3
4 4 4 4
```

3.14 Write a program in Java to display the pattern like a diamond

Test Data

Input number of rows (half of the diamond) : 7

Expected Output :

```

    *
  * * *
 * * * * *
* * * * * *
 * * * * * *
  * * * * * *
    * * * * * *
      * * * * *
        * * * *
          * * *
            *

```