

Lab sheet 1

Java programming fundamental

1. Write a Java program to convert temperature from Fahrenheit to Celsius degrees.
2. Write a Java program that reads an integer between 0 and 1000 and adds all the digits in the integer.
765=>7+6+5=18
3. Write a Java program that takes three numbers from the user and prints the greatest number.
4. Write a Java program to find the number of days in a month
5. Write a Java program to display the pattern like a diamond.

Test Data

Input number of rows (half of the diamond) : 3

Expected Output :

```

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

6. Write a Java recursive method to check if a given string is a palindrome.
7. Write a program to addition of two matrix using two dimensional array
8. Write a program to multiplication of matrix using two dimensional array.
9. Write a Java program to write and read a plain text file.
10. Write three methods in java
 - a. To read an array of numbers –read(int a[])
 - b. To sort the above read array of numbers with any sorting method-sort(int a[])
 - c. To print the array of sorted numbers-print(int a[])