

GIRI's Tech Hub, Pune
Programming (Machine) Test

Batch: May-2025

Date: 29/05/2025
Time: 08:00 to 11:00 Am

Instructions:

Total:- 10 Marks

1. Solve all questions.
2. Input should be from user.
3. Indentation and comments mandatory.
4. Each program 1 Marks & 0.5 Comments.

Q1. Write a java program to display the reverse number without using while loop.

input : 123

output : 321

Q2. Write a java program to swap two number without using third variable.

Q3. Write a java program to check whether a number is divisible by 5 and 11 yes or not, using conditional operators.

Q4. Write a java program to check whether a year is leap year or not using conditional operators.

Q5. Write a java program to check whether triangle is equilateral , isoscale or scalene.

Q6. Write a java program to input any character and check whether it is alphabet, digit or special character.

Q7. Write a java program to input marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer, calculate percentage and grade according to given conditions:

percentage $\geq 90\%$: Grade A

percentage $\geq 80\%$: Grade B

percentage $\geq 70\%$: Grade C

Q8. Write a java menu-driven program in java using switch case.

1. Check Number is positive , negative or zero.
2. Check Number is even or odd.
3. Find max number using 2 number.

Q9. Write a java program to check whether number is neon number or not

Examples:

Input : 9

Output : Neon Number

Explanation: square is $9*9 = 81$ and sum of the digits of the square is 9.

-----ALL THE BEST-----