Instructions: **Total:- 10 Marks**

1. Solve any 9 questions.
2. Input should be from user.
3. Indentation and comments mandatory.
4. Each program 1 Marks and all comments 1 Marks.
5. Do not use any functions.

Q1. Write a Java program to convert seconds to hours, minutes and seconds.

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

Q3. Write a java program to enter two angles of a triangle and find the third angle.

Q4. Write a java program to check whether number is palindrome or not palindrome using ternary operators.

Q5. Write a java program to input any character and check whether it is alphabet, digit or special character.

Q6. Calculate commission based on sales amount:

- **Input: Sales amount**

- **Logic:**

    o **Sales < 5000 → 2% commission**

    o **Sales 5000–10000 → 5% commission**

    o **Sales > 10000 → 10% commission**

- **Output: Display commission amount.**

Q7. Write a Java program to check whether a triangle is equilateral , isoscale or scalene.

Q8. Write a java program to find the total number of notes in a given amount.

Enter the amount: 2528

Expected output : 500=5 , 100=0 , 50=0 , 20=1 , 10=0 , 5=1 , 2=1 , 1=1

Q9. Create a Java program to simulate a simple calculator using a switch case. It should take two numbers and an operator (+, -, *, /, %) as input and perform the corresponding operation.

Explanation:
Use a switch on the operator to handle different arithmetic operations. Add default to handle invalid operators.

Q10. Write a menu-driven program in java using switch case.

     1. input any alphabet and check whether it is vowel or consonant.

     2.Find the max number using 3 numbers.

     3. input any number & check number is divisible by 5 & 11.

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