Java Assignment 1 – Variables, If conditions, Switch Statements, Loops, Functions, Arrays

Question 1: Write a Java program that prints your name, age, and city each on a new line.

Question2: Declare three variables (int, double, and String), assign them values, and print them all in one line.

Question3: Swap the values of two integer variables and print them before and after the swap.

Question4: Take two integer inputs from the user and print the average as a double.

Question5: Ask the user for their full name and print only the first name.

Question6: Write a program to calculate the area of a rectangle with clear single-line and multi-line comments explaining each step.

Question7: Ask the user to enter a number and print whether it is even or odd.

Question8: Read a temperature value and print:
    "Freezing" if below 0
    "Cold" if 0–10
    "Warm" if 11–25
    "Hot" if above 25.

Question9: Ask the user to enter a Month Number (1,2,3,4, …. , 10,11,12) and print the number of days of the entered month using Switch-case statement .

Question10: Print the multiplication table of a number up to 12 (using for loop).

Question11: Take numbers from user input until the total sum exceeds 100 (use while loop).

Question12: Ask the user to input a password until they enter the correct one: "EdgesForTraining" (use do-while).

Question13: Print all numbers from 1 to 20, but skip multiples of 3 using (Hint: use Continue).

Question14: Print numbers from 1 to 50 but stop the loop if the number is divisible by both 2 and 5.

Question15: Create a method that takes a character and returns whether it's a vowel or not.

Question16: Create a method that takes 3 integers and returns the maximum.

Question17: Create a void method that prints a horizontal line of 20 Star (********************).

Question18: Declare an array of 10 integers. Fill it with the first 10 square numbers and print them.

Question19: Create a program that reverses an array of strings and prints the result.

Question20: Write a method that takes an array of numbers and returns the average.

Thank You
Edges For Training Team