Day -2 Class Assessment

1. Java Program: Are you above 18 years old?

Sample Output:

Please enter your age: 21 You are eligible to vote.

package Assignments;

import java.util.Scanner;

public class Age {

public static void main(String[] args) {

Scanner s=new Scanner(System.in);

System.out.println("Please enter your age :");

int age=s.nextInt();

if(age>18) {

System.out.println("You are eligible to vote");

}

else if(age<18)

System.out.println("You are not eligible to vote ")

}

}

2. Java Program: Print Multiplication Table Using for Loop

Sample Output:

Enter a number to print its multiplication table: 7 Multiplication table for 7:

7 x 1 = 7

7 x 2 = 14

7 x 3 = 21

7 x 4 = 28

7 x 5 = 35

7 x 6 = 42

7 x 7 = 49

7 x 8 = 56

7 x 9 = 63

7 x 10 = 70

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package Assignments;

import java.util.Scanner;

public class multiplication {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner s = new Scanner(System.in);

// Ask the user to enter a number

System.out.print("Enter a number to print its multiplication table: ");

int number = s.nextInt();

// Print the multiplication table from 1 to 10

System.out.println("Multiplication Table for " + number + ":");

for (int i = 1; i <= 10; i++) {

System.out.println(number + " x " + i + " = " + (number \* i));

}

s.close();

}

}

3. Java Program: Character, String, and Boolean Input Example

Sample Output:

Enter a single character: A Enter your name: Alice

Do you like programming? (true/false): true --- User Input Summary --- Character entered: A

Name entered: Alice Likes programming: true

Great! Keep coding, Alice!

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package Assignments;

import java.util.Scanner;

public class checking {

public static void main(String[] args) {

// TODO Auto-generated method stub

Scanner s = new Scanner(System.in);

System.out.print("Enter a single character: ");

char character = s.next().charAt(0);

s.nextLine();

System.out.print("Enter your name: ");

String name = s.nextLine();

System.out.print("Do you like programming? (true/false): ");

boolean likesProgramming = s.nextBoolean();

// Output: Summary

System.out.println("\nUser Input Summary\n");

System.out.println("Character entered: " + character);

System.out.println("Name entered: " + name);

System.out.println("Likes programming: " + likesProgramming);

if (likesProgramming) {

System.out.println("\nGreat! Keep coding, " + name + "!");

} else {

System.out.println("\nNo worries, " + name + "! Maybe you'll like it someday.");

}

s.close();

}

}