

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 learning;

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 learning;

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 learning;

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();
    }
}
```