Day2_class Assignment

1.java program:Are you above 18 years old?

```java
package assign;

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

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

    }
}
```

2.Print MultiplicationTable using for Loop

Program:

```java
Package assign;

import java.util.Scanner;

public class MultiplicationTable {

    public static void main(String[] args) {

        Scanner input = new Scanner(System.in);

        System.out.print("Enter the number for which you want the multiplication table: ");

        int number = input.nextInt();
```

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

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

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

        }

        input.close();

    }

}
```

3.Character,String,and Boolean Input Example

Program:

```java
Package assign;

public class checking {

    public static void main(String[] args) {

        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 lp = s.nextBoolean();

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

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

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

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

        if (likesProgramming) {

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

```java
        } else {
            System.out.println("\n worries, " + name + "! Maybe you'll like it someday.");
    }
    s.close();
    }
}
```