

## Day-2 Class Tasks

Java Program: Are you above 18 years old?

Sample Output:

Please Enter Your Age:

19

You are eligible to vote

```
package BasicPrograms;
```

```
import java.util.*;
```

```
public class Voteeligibilitycheck {
```

```
    public static void main(String[]args ) {
```

```
        // TODO Auto-generated method stub
```

```
        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");

    }

    s.close();

}

}
```

## 2. Java Program: Print Multiplication Table Using for Loop

### Code:

```
package BasicPrograms;

import java.util.*;

public class Multiplicationtable {

    public static void main(String[] args) {

        Scanner s=new Scanner(System.in);

        System.out.println("please enter a number to
print its multiplication table:");

        int num=s.nextInt();

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

```
        System.out.printf("%d*%d=%d\n", num, i, num*i);

    }

    s.close();

}

}
```

Output:

please enter a number to print its multiplication  
table:

5

5\*1=5

5\*2=10

5\*3=15

5\*4=20

5\*5=25

5\*6=30

5\*7=35

5\*8=40

5\*9=45

5\*10=50

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

Example

**Code:**

```
package BasicPrograms;
```

```
import java.util.*;
```

```
public class Inputreading {
```

```
    public static void main(String[] args) {
```

```
        Scanner s = new Scanner(System.in);
```

```
        System.out.println("Please enter a single  
character:");
```

```
        char ch1 = s.next().charAt(0);
```

```
        s.nextLine(); // Consume the leftover newline
```

```
        System.out.println("Enter your name:");

        String name = s.nextLine();

        System.out.println("Please enter a boolean
(true/false):");

        boolean bool = s.nextBoolean();

        System.out.println("Entered single character: " +
ch1);

        System.out.println("Entered name is: " + name);

        System.out.println("Entered boolean is: " +
bool);

        s.close();

    }

}
```

Sample Output:

Please enter a single character:

H

Enter your name:

Hari Babu

Please enter a boolean (true/false):

true

Entered single character: H

Entered name is: Hari Babu

Entered boolean is: true

### **Task: Simple Banking Operations using Switch Case**

#### **Objective:**

Create a Java program that simulates simple banking operations like checking balance, depositing money, and withdrawing money using a switch case statement.

#### **Code:**

```
package BasicPrograms;
```

```
import java.util.*;
```

```
public class Bankingexample {
```

```
    public static void main(String[] args) {
```

```
        // TODO Auto-generated method stub
```

```
        int amount=0;
```

```
        int choice;
```

```
Scanner s=new Scanner(System.in);

System.out.println("1.Check Balance \n 2.Deposit Money \n
3.Withdraw Money \n 4.Exit");

do {

    System.out.println("Enter Your Choice: ");

    choice=s.nextInt();

    switch(choice) {

    case 1:

        System.out.println("Your Current Balance
is:"+amount);

        break;

    case 2:

        System.out.print("enter your Deposit amount:");

        int deptamt=s.nextInt();

        amount+=deptamt;

        System.out.println("Deposit Successful");

        break;

    case 3:

        System.out.print("enter amount to withdraw:");

        int debtamt=s.nextInt();

        amount -=debtamt;
```

```

        System.out.println("withdraw successfull");

        break;

    case 4: System.out.println("Thank You For choosing ABC
Bank");

        break;

    default: System.out.println("Select the correct service");

}

}while(choice !=4);

s.close();

}

}

```

Sample Output:

1.Check Balance

2.Deposit Money

3.Withdraw Money

4.Exit

Enter Your Choice:

2

enter your Deposit amount:1000



Deposit Successful

Enter Your Choice:

1

Your Current Balance is:1000

Enter Your Choice:

3

enter amount to withdraw:500

withdraw successfull

Enter Your Choice:

1

Your Current Balance is:500

Enter Your Choice:

4

Thank You For choosing ABC Bank