

DAY-1

1)Using else if condition to print valid or not also are equal

```
public class Main
{
    public static void main(String[] args) {
        int age=16;
        if(age>16)
        {
            System.out.println("valid");
        }
        else if(age == 16)
        {
            System.out.println("Age is 16");
        }
        else{
            System.out.println("Invalid");
        }
    }
}
```

Output:

Age is 16

2)Using AND operator

```
public class Main
{
    public static void main(String[] args) {
        int age=23;
        String gender="Male";
        if(age>=21 && gender=="Female")
        {
```

```

        System.out.println("Eligible for Female");
    }
    else if(age>=23 && gender=="Male")
    {
        System.out.println("Eligible for Male");
    }
    else{
        System.out.println("Not eligible");
    }
}
}

```

Output:

Eligible for Male

3)Using OR operator

```

public class Main
{
    public static void main(String[] args) {
        int age=18;
        String gender="Female";
        if(age>19 || gender=="Female")
        {
            System.out.println("Ticket is free");
        }
        else if(age>=18 && gender=="Male")
        {
            System.out.println("Ticket its not free");
        }
    }
}

```

Output:

Ticket is free

4)Using if condition within switch case with logical OR operator

```
public class Main
{
    public static void main(String[] args) {
        int age=19;
        String gender="Male";
        if(age<18 || gender=="Female")
        {
            System.out.println("Ticket is free");
        }
        else
        {
            int km=15;
            switch(km){
                case 5:
                {
                    System.out.println("Rupees 50");
                    break;
                }
                case 10:
                {
                    System.out.println("Rupees 100");
                    break;
                }
                default:
                {
                    System.out.println("Not applicable");
                }
            }
        }
    }
}
```

Output:

Not applicable

5)Using return keyword call by the main function with help of object

```
public class Main
{
    int mymethod(int a,int b)
    {
        return a+b;
    }
    public static void main(String[] args) {
        Main mi=new Main();
        System.out.println(mi.mymethod(10,7));
    }
}
```

Output:

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