

```
public class Main {  
  
    public static void main(String[] args) {  
  
        int i = 0;  
  
        if (i == 0)  
            System.out.println("i is 0");  
        else  
            System.out.println("i is not 0");  
    }  
}
```

Result: i is 0

```
public class Main {  
    public static void main(String[] args) {  
        int day = 4;  
        switch (day) {  
            case 0: System.out.println("Sunday");  
                    break;  
            case 1: System.out.println("Monday");  
                    break;  
            case 2: System.out.println("Tuesday");  
                    break;  
            case 3: System.out.println("Wednesday");  
                    break;  
            case 4: System.out.println("Thursday");  
                    break;  
            case 5: System.out.println("Friday");  
                    break;  
            case 6: System.out.println("Saturday");  
                    break;  
            default: System.out.println("invalid day");  
        }  
    }  
}
```

Result: Thursday

```
public class Main {  
    public static void main(String[] args) {  
  
        // print out special cases whose ordinal doesn't end in th  
        System.out.println("1st Hello");  
        System.out.println("2nd Hello");  
        System.out.println("3rd Hello");  
  
        // count from i = 4 to 10  
        int i = 4;  
        while (i <= 10) {  
            System.out.println(i + "th Hello");  
            i = i + 1;  
        }  
    }  
}
```

Result:

1st Hello

2nd Hello

3rd Hello

4th Hello

5th Hello

6th Hello

7th Hello

8th Hello

9th Hello

10th Hello

```

public class Main {
    public static void main(String[] args) {

        // print out special cases whose ordinal doesn't end in th
        System.out.println("1st Hello");
        System.out.println("2nd Hello");
        System.out.println("3rd Hello");

        // count from i = 4 to 11
        for (int i = 4; i <= 11; i++) {
            System.out.println(i + "th Hello");
        }
    }
}

```

Result:

1st Hello  
 2nd Hello  
 3rd Hello  
 4th Hello  
 5th Hello  
 6th Hello  
 7th Hello  
 8th Hello  
 9th Hello  
 10th Hello  
 11th Hello

- 1- در قسمت اشکال زدایی اسم توابع باید به صورت CamelCase نوشته شود که رعایت نشده است.
- 2- error ها از syntax error می باشد.
- 3- به دلیل مشخص نبودن آرگومان های ورودی تابع main برنامه اجرا نمی شود.
- 4- جاوا کامپایلری است. زیرا مثل مفسری خط به خط برنامه اجرا نمی شود بلکه به طور کلی و یکجا کامپایل می شود.