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15
SIB 1G

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Jobsheet 5

2.1 experiment 1

make a file.java then type the following code

```java
import java.util.Scanner;

public class Selection15 {
    public static void main(String[] args) {
        Scanner input15 = new Scanner(System.in);

        System.out.println("Input Your Number : ");
        int number = input15.nextInt();

        if (number%2 == 0){
                System.out.println("number "+number+" is an even number ");
            } else {
                System.out.println("number "+number+" is an oddd number ");
        }
    }
}
```

The result is gonnna be like this

```
PS D:\Sekolah\Jobsheet prakdaspro\Jobsheet5> javac Selection15.java
PS D:\Sekolah\Jobsheet prakdaspro\Jobsheet5> java Selection15
Input Your Number :
12
number 12 is an even number
PS D:\Sekolah\Jobsheet prakdaspro\Jobsheet5>
```

Question! 1.

1. Modify the above selection statement (if-else) by using Ternary Operator! We know that Ternary Operator could be used as a selection statement as well.

```java
1   import java.util.Scanner;
2
3   public class Selection15 {
4       public static void main(String[] args) {
5           Scanner input15 = new Scanner(System.in);
6
7           System.out.println("Input Your Number : ");
8           int number = input15.nextInt();
9
10          String result;
11          result = (number%2 == 0)? "is an even number" : "is an oddd number";
12          System.out.println("number "+number +" "+ result);
13
14      //   if (number%2 == 0){
15      //           System.out.println("number "+number+" is an even number ");
16      //       } else {
17      //           System.out.println("number "+number+" is an oddd number ");
18          //}
19      }
20  }
```

2. Compile, run and observe the result!

```
Input Your Number :
12
number 12 is an even number
PS D:\Sekolah\Jobsheet prakdaspro\Jobsheet5>
```

3. Commit and push the changes into your repository!
4. Finally, please explain why the output of the program before and after the changes has a similar output.