

## CONDITIONAL STATEMENTS SOLUTIONS

### Solution 1:

```
import java.util.*;

public class Solution {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int x = sc.nextInt();

        if (x > 0) {
            System.out.println("x is greater than 0");
        } else {
            System.out.println("x is less than or equal 0");
        }
    }
}
```

### Solution 2:

```
public class Solution{
    public static void main(String[] args) {
        double temp = 103.5;
        if (temp > 100) {
            System.out.println("You have a fever");
        } else {
            System.out.println("You don't have a fever");
        }
    }
}
```

### Solution 3:

```
import java.util.*;

public class Solution {
```

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```
public static void main(String args[]) {  
    Scanner sc = new Scanner(System.in);  
    /* Input week number from user */  
    System.out.println("Enter week number(1-7): ");  
    int week = sc.nextInt();  
  
    switch(week) {  
        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;  
        case 7:  
            System.out.println("Sunday");  
            break;  
        default:  
            System.out.println("Invalid input! Please enter week number between  
1-7.");  
    }  
}
```

**Solution 4:**

Value of x = false & y = 63..

## Solution 5:

```
import java.util.*;

public class Solution {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Input the year: ");
        int year = sc.nextInt();

        boolean x = (year % 4) == 0;
        boolean y = (year % 100) != 0;
        boolean z = ((year % 100 == 0) && (year % 400 == 0));

        if (x && (y || z)) {
            System.out.println(year + " is a leap year");
        } else {
            System.out.println(year + " is not a leap year");
        }
    }
}
```

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