CONDITIONAL STATEMENTS SOLUTIONS

Solution 1:

```java
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:

```java
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:

```java
import java.util.*;

public class Solution {
```

```java
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:

```java
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");

        }

    }

}
```