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");

        }
    }
}
```