Conditional statement-task

1.

```
// 1.Traffic Light System
// Simulate a traffic light system:

// If the light is red, log "Stop."
// If the light is yellow, log "Get ready to move."
// If the light is green, log "Go."
// If the input doesn't match any color, log "Invalid input."
----------------------------------------------------------------------
// Answer

var Light = "Yellow";      // You can change this value to test different
                                outputs

if (Light == "Red") {
  console.log("Stop");
} else if (Light == "Yellow") {
  console.log("Get Ready To Move");
}  else if (Light == "Green") {
 console.log("Go");
} else {
  console.log("Invalid Input");
}
Output:
// Test with different lights
var Light = "Red";        //output: Stop
var Light = "Yellow";     //output: Get Ready To Move
var Light = "Green";      //output: Go
var Light = "Blue";       //output: Invalid Input
```

2.

```javascript
// 2.Weather Description (Temperature Descriptions)
// Write a program that describes the temperature:

// If the temperature is exactly 0, log "It's freezing cold."
// If the temperature is exactly 15, log "It's a cool day."
// If the temperature is exactly 25, log "It's a pleasant day."
// If the temperature doesn't match any of these, log "Unknown weather."

// Answer

var Temperature = 10;          // You can change this value to test different
                               outputs

if (Temperature === 0) {
  console.log("It's freezing cold.");
} else if (Temperature === 15) {
  console.log("It's a cool day.");
} else if (Temperature === 25) {
  console.log("It's a pleasant day.");
} else {
  console.log("Unknown weather.");
}
 Output:
// Test with different Temperature
var Temperature = 0;                //output: It's freezing cold.
var Temperature = 15;               //output: It's a cool day.
var Temperature = 25;               //output: It's a pleasant day.
var Temperature = 40;               //output: Unknown weather.
```

3.

```javascript
// 3.: Day of the Week

 // Create a program that takes input of a number representing the day of the
      week (1-7):

 // If the number is 1, log "Today is Monday."
 // If the number is 2, log "Today is Tuesday."
 // If the number is 3, log "Today is Wednesday."
 // If the number is 4, log "Today is Thursday."
 // If the number is 5, log "Today is Friday."
 // If the number is 6, log "Today is Saturday."
 // If the number is 7, log "Today is Sunday."
 // If the input is not between 1 and 7, log "Invalid day number."
 // Answer

 var dayNumber = 3;     // You can change this value to test different
                            outputs

 if (dayNumber === 1) {
   console.log("Today is Monday.");
 } else if (dayNumber === 2) {
   console.log("Today is Tuesday.");
 } else if (dayNumber === 3) {
   console.log("Today is Wednesday.");
 } else if (dayNumber === 4) {
   console.log("Today is Thursday.");
 } else if (dayNumber === 5) {
   console.log("Today is Friday.");
 } else if (dayNumber === 6) {
   console.log("Today is Saturday.");
 } else if (dayNumber === 7) {
   console.log("Today is Sunday.");
 } else {
   console.log("Invalid day number.");
 }
```

```
Output:
// Test with different daynumbers
var dayNumber = 1;      //output: Today is Monday.
var dayNumber = 2;      //output: Today is Tuesday.
var dayNumber = 3;      //output: Today is Wednesday.
var dayNumber = 4;      //output: Today is Thursday.
var dayNumber = 5;      //output: Today is Friday.
var dayNumber = 6;      //output: Today is Saturday.
var dayNumber = 7;      //output: Today is Sunday.
var dayNumber = 8;      //output: Invalid day number.
```