Assignment 2

1. true && false || !true

   True && false || false
   false || false
   output = false

2. let input1 = "banana";
   let input2 = "sundae";
   (input1 === "BANANA" || input1 === "Banana") &&
   (input2 === "sunday" || input2 === "Sundae")

   (false || false) && (input2 === "sunday" || input2 === "Sundae")
   (false) && (false || false)
   (false) && (false)
   output = false

3. let input1 = "banana";
   let input2 = "sundae";
   (input1 === "BANANA" || input1 === "Banana") &&
   (input2 === "sunday" || input2 === "Sundae")

   (false || false) && (input2 === "sunday" || input2 === "Sundae")
   (false) && (false || false)
   false && false
   the output is false

4. let x = 11;
   x -= 1;
   let y = 50;
   y /= x;
   (x > 1) || (y >= 10) && (x != y)

   first, x is 11
   then, it is 10

then, y = 50

then, y = 5

(x>1) || false && true

(x>1) || false

true || false

the output is true

5. let item = "scissors";

let room = "kitchen";

"The " + item + " are missing! It's not in the " + room;

the output is The scissors are missing! It's not in the kitchen

6. let Georgina = "gina";

let nickname = "Genius";

let combinedName = Georgina + " " + nickname;

(combinedName === Georgina) || (Georgina !== "Georgina")

&&(combinedName === "Genius") || (nickname === "Genius")

(combinedName === Georgina) || true && false || (nickname === "Genius")

(combinedName === Georgina) || false || nickname === "Genius")

False || false || nickname === "Genius")

False || false || true

false || true

the output is true

7. ((99 < "Whistle") || (99 >= "99")) ||

((99 === "99") && (99 == "99"))

((false || true)) || ((99 === "99") && (99 == "99")

true || ((99 === "99") && (99 == "99")

true || false && false

true || false

the output is true

8. ((5*9+15/3+20) % 2 === 1
   ((5* 9 + 5 + 20) % 2 ===1
   (45 + 5+20) % 2 ===1
   70 % 2 === 1
   0 ===1
   the output is false

9. ((Math.max(21,15,27) === 27) ||
   (Math.round(0.54321) === 0)) ||
   (Math.min(Math.round(0.4321),15,27) === 1)
   ((true || false)) || (Math.min(Math.round(0.4321),15,27) === 1)
   true || false
   the output is true

10. "ABC" > "abc" || "Z" == "z" && "DEF" < "def" || "X" !== "x"
    "ABC" > "abc" || false && true || "X" !== "x"
    "ABC" > "abc" || false || "X" !== "x"
    false |\ false || true
    the outout is true

11. let input = true;
    let info;
    "The variable input has value : "+ input + ", and variable info
    is " + info + ". If I compare info with undefined I get " + info
    === undefined
    The variable has value: true, and variable info is undefined. If i compare
    info with undefined I get undefined === undefined --> false