

Krystal Education Platform
ERB002: Web Engineering Front-end Pt. 3

Assignment

4. JavaScript: Comparison and Logical Operators

Question 1: Write the expected value of x for the following.

```
var x = 3; var y = 20;
```

- a) `x += y;`
- b) `x *= y;`
- c) `y *= x;`
- d) `x %= y;`
- e) `x -= y - 10`

Question 2: Write the expected output for the following.

```
var x = 30; y = "banana"; z = "40"
```

- a) `typeof(x) == "number";`
- b) `x === "30";`
- c) `x != 30;`
- d) `x !== "30";`
- e) `y === "bana" + "na";`
- f) `x + y !== "30banana";`
- g) `typeof(z) == "String";`
- h) `x <= z; t`
- i) `y > z; t`

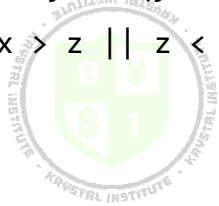
Question 3: Order the following words in dictionary order.

- a) lovely, dark, love, young, daring
- b) dragon, near, needy, kneel, needs
- c) random, mother, monster, neither, car

Question 4: Write the expected output for the following.

`var x = 10; var y = 20; var z = 50;`

- a) `x <= y && z > y;`
- b) `x == y || x < z;`
- c) `!x <= z;`
- d) `x < y && y < z && x > z; f`
- e) `x < y && y < z || x > z; t`
- f) `x < y && (y < z || x > z); t`
- g) `(x > z || z < y) || (x < y && z > y); t`



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Question 5: Fill in the following tables.

x	y	x && y
false		false
false	true	
	true	true

x	y	x y
true	false	
false		false
true	true	

x	!x
true	
	true