12

# Lab07

# Task 1: Create interactivity using JavaScript (6 marks)

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# Task 2: Evaluate JavaScript expression (4 marks)

### Notes: Assume x = 3, y = 5 and z = 7 for each expression.

1. What is the final value of variable x? **(2 marks)**

|  |  |
| --- | --- |
| x = y + z | 12 |
| x = y + z | 12 |
| x = y % z | 5 |
| x = x + y \* z | 38 |
| x = (y – x) \* z | 14 |

1. Write true or false for the following. **(1 mark)**

|  |  |
| --- | --- |
| (x <= z) && (z <= y) | F |
| (x <= z) || (z <= y) | T |

1. Which of the following expressions is used to check if the value of x is between 50 to 60 inclusive? Check all that apply. **(1 mark)**

**Note:** && means AND and || means OR.

**(N mean no, Y mean yes)**

1. (x >= 50) || (x <= 60) N
2. (x >= 50) && (x <= 60) Y
3. ((x >= 50) || (x <= 60)) N
4. !((x >= 50) && (x <= 60)) N
5. (x < 50) && (x > 60) N
6. (x < 50) || (x > 60) N
7. !((x < 50) && (x > 60)) N
8. !((x < 50) || (x > 60)) Y