



COMSATS University Islamabad, Lahore Campus

Department of Electrical and Computer Engineering

Quiz 2 – FALL 2024

Course Title:	Web Technologies	Course Code:	CSC336	Credit Hours:	3(2,1)
Instructor:	Muhammad Babar Ali	Office (email):	B-4 (babarali@cuilahore.edu.pk)		
Batch-Section:	FA22-A/B	Semester:	5 th	Program Name:	BS (Computer Engineering)
Chapters/ Topics:	JavaScript	Max. Marks:	15	Duration:	15 minutes
Student's Name:		Reg. No.			

Important Instructions / Guidelines:

- Answer all questions.
- Do not give multiple answers for a question.
- Cutting and overwriting is not allowed. Therefore, cutting and overwriting will give zero marks.
- Plagiarism of work from any source will be penalized and may result in zero out of 15 marks in the assessment.

Question 1:

[CLO1, PLO1]

(Marks 4)

Assume the object initialization: `a = { firstName: "Ali", age: 20 };`

Produce output of the following parts, each treated as individual statements after object initialization. If an error is found, mention it as "ERROR". Write "NIL", if no output occurs.

	Script	Console
1	<code>a.address = null; console.log(a.address "NA");</code>	NA
2	<code>c = a.firstName + a.age; console.log(c);</code>	Ali20
3	<code>a.address = undefined; console.log(a.address "NA");</code>	NA
4	<code>a.address = ""; console.log(a.address ?? "NA");</code>	<empty string>
5	<code>if ("firstName" in a) { console.log(a.name); }</code>	undefined
6	<code>console.log(a.age);</code>	20
7	<code>if ("name" in a) { console.log(a.firstName); }</code>	NIL
8	<code>c = a.firstName + a.firstName; console.log(c);</code>	AliAli

Question 2:

[CLO1, PLO1]

(Marks 11)

Analyze the following JavaScript codes to show logs, if any or to identify syntax errors, if any. For syntax errors, correct it and show logs. Write "NIL", if no output occurs.

	Script	Console
1	<code>function createBike(make, count) { return { make: make, count: count }; } let bike1 = createBike(1999, 120); console.log(bike1);</code>	{ make: 1999, count: 120 }

2	<pre>show(); function show() { console.log("[show] Work hard."); }</pre>	[show] Work hard.
3	<pre>let a = String(1); console.log(typeof a);</pre>	string
4	<pre>let firstName = "Aslam"; let RegistrationId = "BCE-678"; let st2 = { firstName, RegId: RegistrationId, }; console.log(st2);</pre>	{ firstName: 'Aslam', RegId: 'BCE-678' }
5	<pre>const price = (function () { return (100 * 1 - 2); })(); console.log(price);</pre>	98
6	<pre>gamma = true; var gamma = undefined; console.log(gamma);</pre>	undefined
7	<pre>let x = "ali"; x = 5; console.log(typeof x);</pre>	number
8	<pre>function printCustomMessage(msg) { msg = "Good Morning."; function doPrint() { console.log(msg); } doPrint(); } printCustomMessage("Good Day.");</pre>	Good Morning.
9	<pre>function printMessage() { console.log("Good Evening."); }</pre>	NIL
10	<pre>function GroceryItem(name, quantity, category) { productName = name; this.quantity = quantity; this.category = category; } const g = new GroceryItem("Potato", "5", "Vegetables"); console.log(g.productName); console.log(g.category);</pre>	undefined Vegetables
11	<pre>logger(); function show() { console.log("[show] Work hard."); } let logger = show;</pre>	<pre>----- Correction ----- let logger = show; logger(); function show() { console.log("[show] Work hard."); } ----- Output ----- [show] Work hard.</pre>