Answersheet

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Assignment: Switch Case

Result: **Not reviewed yet**

No. of questions attempted: 3

Total no. of questions: 3

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Total marks: 15

Sl. No.	Question		Actions
1	**Step 1: Ask for the favorite color using the `prompt` and assign it in a variable ⇒ favColor.** **Step 2: Write a print switch case statement between "red", "green" and "blue".** **⇒ For "red" show "Red is a passionate color!"** **⇒ For "blue" show "Blue is calming and serene."** **⇒ For "green" show "Green symbolizes nature and growth."** **Step 3: If the user had given any different input from these.** **⇒ Then show favColor + " is also my favorite color".** **Step 4: Make color comparison case insensitive. This means that even if for example, the user enters "Red" it should work fine.** const favColor = prompt('favorite color') switch (favColor.toLowerCase()) { case 'red': console.log('Red is a passionate color!') break case 'blue': console.log('Blue is calming and serene.') break case 'green': console.log('Green symbolizes nature and growth.') break default: console.log(`${favColor} is also my favorite color`) }	5 marks	Marks 0

2	**How do you use the switch-case statement in JavaScript, and what advantage does it offer over multiple if-else statements?**	5 marks	Marks
	The switch-case statement in JavaScript is used to compare a variable against multiple fixed values. It is faster and more readable than multiple if-else statements. Advantages Over if-else: 1. Faster Execution – Directly matches the value, making it more efficient than multiple if-else conditions. 2. Better Readability – Code is cleaner and easier to understand. 3. Best for Fixed Values – Works well when a variable needs to be compared against multiple fixed values (e.g., days, user roles, menu options).		0

3	**What is the use of break and default keyword in JavaScript?**	5 marks	Marks
	Use of break and default in JavaScript: 1. break Keyword: a. When a case matches, its code runs. b. After execution, break stops further case execution and exits the switch. c. Prevents unwanted execution of other cases (fall-through). 2. default Keyword: a. If no case matches, the default block runs. b. Works like the else statement in if-else.		0