

Set 1: React: Variables & Operators & Statements

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1. JavaScript Variables - MCQs

- Q1. What is the correct way to declare a constant in JavaScript? a) `let pi = 3.14` b) `var pi = 3.14` c) `const pi = 3.14` d) `define pi = 3.14`
- Q2. What is the default value of an uninitialized variable? a) `null` b) `undefined` c) `0` d) `false`
- Q3. What is the scope of a variable declared with `let` inside a block? a) Global b) Function c) Block d) Local
- Q4. What is the output of `typeof null`? a) `"null"` b) `"undefined"` c) `"object"` d) `"boolean"`
- Q5. Which of the following can be re-assigned? a) `const` b) `var` c) `final` d) `fixed`
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2. Conditional Statements (if, if-else) - MCQs

- Q1. Which keyword is used for decision making in JavaScript? a) `switch` b) `for` c) `if` d) `loop`
- Q2. What will this print?

```
let age = 18;
if (age ≥ 18) {
  console.log("Adult");
}
```

```
} else {  
  console.log("Minor");  
}
```

a) Minor b) Adult c) Error d) Nothing

Q3. What is the correct syntax for an if-else statement? a) `if a > b: else:` b) `if (a > b) else` c) `if (a > b) { } else { }` d) `if a > b then`

Q4. What will this output?

```
let x = 5;  
if (x) console.log("Yes");  
else console.log("No");
```

a) Yes b) No c) Error d) Undefined

Q5. What happens if condition is false and there is no else? a) Code crashes b) Executes anyway c) Skips the block d) Loops forever

✓ 3. Operators – MCQs

Q1. What does `===` compare? a) Only value b) Only type c) Value and type d) Nothing

Q2. What is the result of `"5" + 2`? a) 7 b) "7" c) "52" d) NaN

Q3. What will `true && false` return? a) true b) false c) 0 d) Error

Q4. Which of the following is a logical OR operator? a) `&` b) `||` c) `!` d) `&&`

Q5. What is the result of `10 > 5 > 2`? a) true b) false c) Error d) undefined

✓ 4. Ternary Operator – MCQs

Q1. What is the ternary syntax? a) `if ? true : false` b) `? condition :` c) `condition ? true : false` d) `if then else`

Q2. What is the result?

```
let age = 17;  
let result = age ≥ 18 ? "Adult" : "Minor";  
console.log(result);
```

a) Adult b) Minor c) Error d) Nothing

Q3. Can we nest ternary operators? a) Yes b) No c) Only in loops d) Only in functions

Q4. Replace this with ternary:

```
if (x > 5) {  
  result = "High";  
} else {  
  result = "Low";  
}
```

a) `result = x > 5 ? "High" : "Low";` b) `result = x > 5 if true else Low;` c) `result = x ? High : Low;` d) None of these

Q5. What does this do?

```
let x = 0;  
let msg = x ? "Yes" : "No";
```

a) msg = "Yes" b) msg = "No" c) Error d) Undefined

5. Loops – Beginner Level

for loop

Q1. How many times will this run?

```
for (let i = 0; i < 3; i++) {  
  console.log(i);  
}
```

a) 2 b) 3 c) 4 d) Infinite

Q2. What is the output?

```
for (let i = 1; i ≤ 5; i++) {  
  if (i % 2 === 0) console.log(i);  
}
```

a) 1, 3, 5 b) 2, 4 c) 1, 2, 3, 4, 5 d) 0, 2, 4

Q3. Can we omit any part in a for loop? a) No b) Yes c) Only increment d) Only condition

◆ do...while loop

Q4. What is the minimum number of times a `do ... while` loop runs? a) 0 b) 1 c) 2 d) Infinite

Q5. Output?

```
let i = 3;  
do {  
  console.log(i);  
  i--;  
} while (i > 0);
```

a) 3 2 1 b) 3 2 c) 2 1 d) 3