

MCQ on Naming Convention in Solidity

Question 1:

Which of the following is a **valid variable name** in Solidity?

- A) uint balance-amount
- B) uint BalanceAmount
- C) uint balance_amount
- D) uint 1balance

Correct Answer: C) uint balance_amount

Explanation: Variable names in Solidity cannot contain hyphens (-), cannot start with a number, and typically follow **camelCase** or **snake_case** naming.

Question 2:

In Solidity, what is the **recommended convention** for naming **state variables**?

- A) Uppercase letters (e.g., TOTAL_SUPPLY)
- B) camelCase (e.g., totalSupply)
- C) snake_case (e.g., total_supply)
- D) PascalCase (e.g., TotalSupply)

Correct Answer: B) camelCase

Explanation: According to Solidity style guide, **state and local variables** should use **camelCase** naming convention.

Question 3:

Which of the following variable names **violates Solidity naming rules**?

- A) _owner
- B) ownerAddress
- C) \$balance
- D) owner_1

Correct Answer: C) \$balance

Explanation: Solidity variable names **cannot start with \$**. They can include letters, digits, and underscores, but must **not start with a digit or special symbol**.

Question 4:

Which of the following **naming styles** is generally used for **constant variables** in Solidity?

- A) camelCase
- B) PascalCase
- C) ALL_CAPS_WITH_UNDERSCORES
- D) snake_case

Correct Answer: C) ALL_CAPS_WITH_UNDERSCORES

Explanation: Constants in Solidity should be written in **uppercase** with underscores separating words, e.g., MAX_SUPPLY.

Question 5:

Which of the following is a **good naming practice** for Solidity variables?

- A) Use short one-letter names for all variables
- B) Use descriptive names like totalTokensMinted
- C) Use reserved keywords like address as variable names
- D) Mix uppercase and lowercase randomly

Correct Answer: B) Use descriptive names like totalTokensMinted

Explanation: Descriptive variable names improve readability and maintainability. Avoid reserved keywords or unclear abbreviations.

Question 6:

Can variable names in Solidity **start with an underscore (_)**?

- A) No, it's not allowed
- B) Yes, but only for internal or private variables
- C) Yes, for any variable type
- D) Only for public variables

Correct Answer: B) Yes, but only for internal or private variables

Explanation: Prefixing with _ (e.g., _owner) is often used for **private or internal** variables to distinguish them from public getters or parameters.