

1 // SPDX-License-Identifier: GPL-3.0 → License such as MIT, GPL, and etc

2

3 pragma solidity >=0.7.0 <0.8.0; → Indicates the compiler version

4

5 /\*\*

6 \* @title Storage

7 \* @dev Store & retrieve value in a variable

8 \*/

9 contract Storage {

10

11 uint256 number;

12 /\*\*

13 \* @dev Store value in variable

14 \* @param num value to store

15 \*/

16 function store(uint256 num) public {

17 { number = num; }

18 }

19

20 /\*\*

21 \* @dev Return value

22 \* @return value of 'number'

23 \*/

24 function retrieve() public view returns (uint256){

25 return number;

26 }

27 }

28 }

29 }

Smart contract Name

State Variables

Function keyword

Function name

Inputs to the function (list of arguments)

The function visibility:

A mandatory clause if it returns:

1. External
2. Public
3. Private
4. Internal

Just view the function and does not modify anything in function. View data in the blockchain

Output of the function (return statement)