

<https://docs.google.com/spreadsheet/viewform?formkey=dE9wcm1aVmJxLWtqU3VvYkdMeWo3R3c6MA>

### Exercise on Data Types

1.) Is declaring variables necessary in a C program? Why?

2.) Identifiers come in the form of variables, constant identifiers, and function names.

3.) The following is a valid identifier:

4.) The following is a valid identifier:

5.) The following is a valid identifier:

6.) The following is a valid identifier:

7.) The following is a valid identifier:

8.) The following is a valid identifier:

9.) The following is a valid identifier:

10.) The following is \_\_\_\_.

11.) The following is \_\_\_\_.

12.) The following is \_\_\_\_.

13.) The following is \_\_\_\_.

14.) The following is \_\_\_\_.

15.) The following is \_\_\_\_.

16.) The following is \_\_\_\_.

17.) The following is \_\_\_\_.

18.) The following is \_\_\_\_.

19.) The following is \_\_\_\_.

20.) The following is \_\_\_\_.

21.) The following is \_\_\_\_.

22.) The following is \_\_\_\_.

23.) The following is \_\_\_\_.

24.) The following is \_\_\_\_.

25.) The following is \_\_\_\_.

26.) The following is \_\_\_\_.

27.) The following is \_\_\_\_.

28.) The following is \_\_\_\_.

29.) Assume x is a declared integer with an assigned value of 5. The following is \_\_\_\_.

30.) Assume x is a declared integer with an assigned value of 5. The following is \_\_\_\_.

31.) Which is the equivalent of the following?

32.) Which is the equivalent of the following?

33.) Which is the equivalent of the following?

34.) Which is the equivalent of the following?

35.) Which is the equivalent of the following?

### Answer

B.) Yes, because the C programming language uses the data type to identify the number of bytes to be allocated for the variable.

A.) True

B.) False

A.) True

B.) False

A.) True

B.) False

B.) False

A.) True

A.) a valid numeric integer literal

E.) not a valid literal

D.) a valid string literal

B.) a valid numeric floating point literal

B.) a valid numeric floating point literal

B.) a valid numeric floating point literal

E.) not a valid literal

C.) a valid character literal

D.) a valid string literal

E.) not a valid literal

C.) a valid character literal

D.) a valid string literal

D.) a valid string literal

D.) a valid string literal

B.) a valid numeric floating point literal

E.) not a valid literal

B.) a valid numeric floating point literal

B.) a valid numeric floating point literal

B.) a valid numeric floating point literal

E.) not a valid literal

E.) not a valid literal

F.) 3000.000000

F.) -3000.000000

F.) 0.000300

C.) 3.000000

H.) -0.000300