

Getting Started with C++

Important Questions and Answers

What is token in C++? Explain ?

- Tokens are basic building blocks of C++ program.
- Tokens are classified into five,

1. Keyword:

- These are Reserved words.
- They have specific meaning to the compiler.
- Eg: float, if, break, switch

2. Identifiers:

- These are names given to different program elements.
- Identifiers includes Variable ,Label and Function name
- Eg: *score* , *Sum* , *AddNos* etc..

3. Literals

- Literals are constant values used in program.
- Different types of literals are ,

Integer literals , Floating point literals , Character literals and String literals

- Eg: 100 , 9.8 , 'a' , "Hallo"

4. Operators:

- These are symbols that indicate an operation.
- Eg: +, <, *, &&

5. Punctuators:

- Special symbols used in C++ program for the perfection of syntax.
- Eg: # ; (] }

What are the rules to be followed while constructing identifiers in C++ ?

Rules to create an identifier:

- We can use alphabets , digits and _ (underscore) to create identifiers
- keywords cant be used.
- Can't start with digit.
- White spaces and special characters are not allowed.

Identify valid and invalid identifiers in the given list ?

1Num , sum , d o b , _digit , avg@Nos

Valid :

- sum , _digit

Invalid :

- 1Num - Started with Digit
- d o b – white space used
- avg@Nos - Special character used

Briefly Explain Literals ?

- Literals are constant values used in program

- Different types of literals are ,

(a) Integer literals: numbers with out fractional values.

Eg: 23, -145

(b) Floating literals: numbers with fractional values .

Eg: 12.5,

(c) Character literals: A character in single quotes.

Eg: 'a', '8'

(d) String literals: One or more characters within double quotes.

Eg: "a", "score1"

Differentiate between 2 , 2.0 , '2' , “2”

- 2 is integer literals
- 2.0 is floating point literals
- '2' is character literals
- “2” is string literals

What you mean by escape sequences ?

- Escape sequences are used to represent non graphic symbols.
- Eg: '\n,' '\t'

Identify different types of tokens into following list ?

% , “100” , for , ; , cout ,

Keyword	Identifiers	Literals	Operators	Punctuators
for	cout	“100”	%	;