

# C++ INTERVIEW QUES.

1]. **What is C++?**

- ⇒ • C++ is an Object Oriented Programming language. It was found in 1985 by Bjarne Stroustrup.
- C++ gives programmer a high level of control over system and memory.
  - C++ is lot of well-structured and safer language than C.
  - C++ is next version of C.

2]. **What are the advantages of C++?**

- ⇒ • C++ is an Object Oriented programming language.
- C++ program is useful for low-level programming language.
  - C++ is highly portable language.
  - C++ language used in multi-device, multi-platform app development.
  - C++ is multi-paradigm means it follows three paradigm Generic, Imperative, Object Oriented.
  - C++ gives user complete control over memory management.
  - C++ is used in various industries like finance, app development, game development, virtual reality etc.

3]. **Define token in C++:**

- ⇒ Token is a keyword in a C++. And it also identifier, literal, constant and symbol.

4]. **Define 'std':**

- ⇒ 'std' is the default namespace standard used in C++.



5]. **What is difference between C and C++?**



| C   | C++  |
|---|--|
| 1]. C language was developed by Dennis Ritchie. | 1]. C++ language was developed by Bjarne Stroustrup.                       |
| 2]. C is subset of C++.                         | 2]. C++ is superset of C.  |
| 3]. C is a structured programming language.     | 3]. C++ supports both structural and object oriented Programming language. |
| 4]. C does not support the data hiding.         | 4]. C++ supports the data hiding.  |
| 5]. C does not support reference variable.      | 5]. C++ supports reference variable.                                       |

6]. **Define namespace in C++:**

- ⇒
- The namespace is logical division of the code which is designed to stop naming conflict.
  - The main use of namespace in C++ is to remove ambiguity.
  - Using namespaces, we can create two variable having same name.
  - Namespace is feature added in C++ and not present in C.
  - Namespace declarations can be nested within another namespace.

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7]. **What is Full form of STL in C++?**

⇒ Full form of STL is Standard Template Library.

8]. **How delete[] is different from delete?**

- ⇒
- Delete is used to release a unit of memory.
  - delete[] is used to release an array.



9]. Who invented C++ language?

⇒ Bjarne Stroustrup.

10]. What is destructor?

- ⇒ • Destructor in C++ are member functions in a class that delete an object.
- A destructor has same name as class name.
  - Destructor is useful for releasing resources before exiting a program.

11]. What is Constructor?

- ⇒ • Constructor is used to initialize an object.
- Constructor is member function of class. Whose name is same as class name.
  - Constructor does not have a return type.
  - Therefore it does not have return type.

12]. Explain this Pointer?

⇒ Pointer holds the address of current object.

13]. What is Virtual Inheritance?

- ⇒ • Virtual Inheritance is used to remove the ambiguity of base class.
- When derived class inherits same base class via other classes during multiple inheritance.

14]. What does scope Resolution operator do?

⇒ A scope resolution operator (::) is used to define the member function outside the class.



15]. **What is Pure Virtual function?**

- ⇒ • Pure Virtual Function are one of the way we conceptualise Abstract classes.
- It is essentially a virtual function declared in the parent class. doesn't have any implementation & only has declaration.

16]. **What is Operator Overloading?**

- ⇒ Operator Overloading in C++ is an overloaded declaration is a declaration in same scope of function or operator declared with the same name more than once.

17]. **What is Type Casting in C++?**

- ⇒ • Type casting in C is used to change the data type.
- It has two types:
    - 1). **Implicit type conversion** — It is automatic.
    - 2). **Explicit type conversion** — It is user defined.

18]. **What is Stream in C++?**

- ⇒ Stream refers to a stream of characters to be transferred between program thread and i/o.

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19]. **How to clear screen in C++?**

- ⇒ To clear the screen using `- clrscr()` or `system("clear")`.

20]. **What is conio.h in C++?**

- ⇒ • `conio.h` is a header file used for console input and Output operations.
- And it is used to creating text based user interfaces.



21]. **How to use space in c++?**

⇒ We can give space in C++ programming by `cout << " ";`

22]. **How many keyword in c++?**

⇒ There are 96 Keywords in c++.

23]. **What is endl in c++?**

⇒ `endl` is a predefined object of `ostream` class to insert a new line characters.

24]. **How to copy Paste in turbo c++?**

⇒ ∴ `Ctrl + Insert` to copy.  
∴ `Shift + Insert` to Paste.

25]. **What is iostream in c++?**

⇒ `Iostream` is the header file which contain all the functions of program like `cout`, `cin` etc.

26]. **How to Find length of string?**

⇒ There is built in function in c++.

`string str_1 = "abcd";`

`cout << "The length of string is: " <<`

`str_1.length();`

27]. **What is flush in c++?**

⇒ `Flush` is used to synchronize the associated stream buffer with controlled output sequence.

28]. What is encapsulation?

⇒ When all the data members and member function are combined in the single unit called class & this process is called encapsulation.

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29]. What is abstract class in C++?

- ⇒ • An abstract class is cannot be used directly and is used to form a base class for other inherit from.
- Ex - If you create an object for an abstract class the compiler will throw an error to you.