Variables, Literals & Constant

(Saathi)

Let's write our very first C++ program to Create a file Called hello-cpp & past the below Code on it.

#include (instrum)
using numer pace std;
introvin();

Cout</"Hello I are Learning CAP
With Teyou";

geturn 0;

4

First Composile this file by typing 9++ hello cope it will Compile the file & will Cocche the hello. exe file (binday) Now simply type the hello cope on a terminal & press the enter & you will see someting priented on a screen.

C++ Variables

In progratering, a Variables is a Container (3+000 area) to hold data.
To indicate the storage great, each variable should be given a unique name (identifier) for example,

int age = 20

Here, age is a variable of the intidara type, & we have assigned an integer value 20 Vonit.

Rus for navoing a Vardables

-A Variable name Can only have alphabers, numbers, & the underscore'-'.

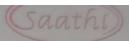
The street water be all the college in

- · A Varicebles nourose Conn't begain with a nurober.
- nouve with a lowercase characters. For example, name is preferable to nouve.
- example, int is a keywood that is used to donate integers.
- · A Variables hame can extent with an undergrove. However, it's not considered a good practice.

Note:

We should try to give meaningful names to variables. For Example fist name is 9 bettern variable name than fr.

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1	C++ Literals			
	The second secon			
	literals are used too expositing			
	fixed value. They can be used discult in the			
	and for example 1 2.5, 10 etc.			
	egletotes / D Pelleus I			
	Here's a list of different literals in C++			
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	and part of part of the sale o			
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	1) Theger			
	ET Floting-point			
	a characters			
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Quick auz:

Use a disperent data type & point some steeterment, using sequence chor.

C++ Basic Input output

In C++, Cout gends formatted output to greendered output devices, such as the govern. We use the Cour along with the K operator for displaying output:

C++ Input

In C++, Cin takes formatted input from steendered input devices such as the keybord we use the Cin Object along with the >> operators for teaking input.

al superary that we sure our own and

In C++, doug types are decleration to variables. This determines the type 4 size of a associated with variables. For Example

+++ (c13+c17+

in+ age = 13;

Here, age is a variables of type int. Greaning the variables can only store integer of either 2 or 4 bytes.

C++ fundamental Data Types

The table below shows the fundaments down types,

Doute Type	Geowing	size (in Byte)
int float double chare kichare_t bool Void	Integers floting-point Double floting point characters wide Characters Boolean Empty	2004

C++ Operators

operators are symbol that person operation on variables & volues. For example + is an operator used for addition, while is a operator for substraction.

Operators in ctt can be classified into 8 types

1. Asithmatic operator. >+, -, +, 1, 1.

2. Assignment operactor >=, +=, -=, +=, |=, 1=, 1=

3. Relational operator = !=, >, <, >=, <=

4. Logical operators. > ft, 11, !

5. Bitwise operations, -> 4, 1, 1, 1, 1, 1, 1, 1)

6. Other operectors, -> sizeof, ?!

C++ Comments 2010+ 110 ++0 1

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Compailers.

tugat ++

These are two ways to add Caroments in

11 - Bingle Line Coronoents

B) 1+ +1 - Gulti Line (oronoents

Date Productice Ser 2. Write a Cpp progrecies to find the area of secreongle. D) Hard Code b) Users Input. 2. Woite a Cpp progresser to Calculate the Simple Interest. 8. Write a progreum to find the sum of avorage 4. Write a zimple CPP program to add substract apriliply & Divide Two nambers.