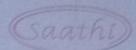
## Date C++ Classes & Object



In previous tutorial, we learned about function & variables. Sometime its describle to put selated punctions & data in one place 50 that its logical & easier to work with.

Suppose, we need to store the length, bright of a sectangled soom & could were

To handle this teask, we can create three viriable say length, breath of height along with the femalians with the femalians calculated area?

However, in c++, Earther than Creating seprente Varoicables & feunctions, use can also wrap these selated data & quinctions, in a single place (by rerewing object). This programming porcedigneers is known as a object oriented progremming.

## C++ Class:

A class is a bluepoint for the

We can think of a class as a sktch (prototype) of a house. It contains all these derais about from doors without etc. House is an object.

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| Create an Class:   |
| A along in debine in C++ Using keyner  |
| all the paroe of the class.  |
| A class is depine in C++ using keyners Class pollowed by the horse of the class.   |
| The body of the dass is define inside the early brackers of terroinceres by a stroicolon   |
| curly brockers of reprojectes by a stroicolon  |
| cut the end.   |
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| nover class class Normez   |
| Somedata   |
| 1 30me tencions  |
| 5;   |
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| restant properties and the second properties are second properties and the second properties and the second properties and the second properties are second properties and the second properties and the second properties are second properties and t |
| -: for Example:  |
| Class Rooms  |
| public:  |
| double length;   |
| double bredth;   |
| double height; : appl 1  |
|  |
| double calculate Arregoz   |
| Eeturn length & bredthi  |
| 3  |
| double Concentration ()3   |
| Eeryon length + breath + heigh   |
| 6.   |
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| 1 | Syntex to Depine Object in C++  |
|   | Classinaire Objectivationable Notre:  |
|   | We can creare object of Room class.   |
|   | Void sample-function of   |
|   | E Room Ecoros;  |
|   | Foore Romes, Ecorex;  |
|   | Flere, tevo object Root, & 80000 & Room Class croe Cocarcol in other Classes. |
|   | Also, the Can Create as towny objects as one want from a single class.        |
|   | CH Access Data reference of reference functions                               |
|   | Donction of a class ph reside. (qot) observes.                                |
|   | Boores CalculateAsed();   |
|   |   |

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|      | This will can count the Coulous for object soons.   |
|      | Smilgry, the double member can be accessed as:  [ soom 1. length = 5.5; ]   |
|      | Concinantohanes biov  |
| 2    | Buick guiz = - Waite a cpp progreum to demonstra  |
|      | Moite a cpp progreem to demonstra<br>access of data merebers.   |
|      | Quick Quiz: -   |
|      | insteance of the class, initializes the object &  |
|      | CHACLESS Data Calember + Calember + worten  |
| - 30 | the contract beat and and all and and all and and all and |
|      | 200 Manual Marina Garage  |