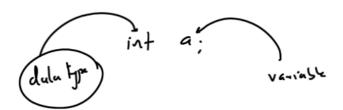
## How do we create an object?



Before creating an object , we first have to create its DATA TYPE and this DATA TYPE for object is ALWAYS a CLASS.

What are access specifiers in C++?

Ans: Access specifiers are keywords which are used to control the accessibility of class members

There are 3 access specifiers provided by C++ language and they are:

a. **private**: This is default access specifier of class members in C++ and if any member of the class is private it means that IT CANNOT BE DIRECTLY ACCESSED FROM OUTSIDE THE CLASS.

b. **public**: This access specifier allows a class member to be accessed from outside the class. In other words we can say that public members of a class are directly accessible from outside the class.

**General Rule**: We must always declare data member of a class in private section while member functions of a class in public section.

c. protected: We will discuss this keyword during the topic INHERITANCE

class <a href="https://www.class.nam">

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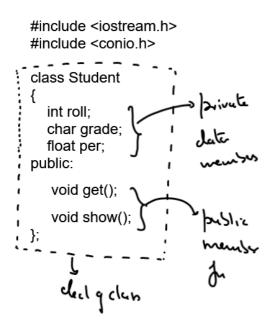
public:

chata hype> </a>

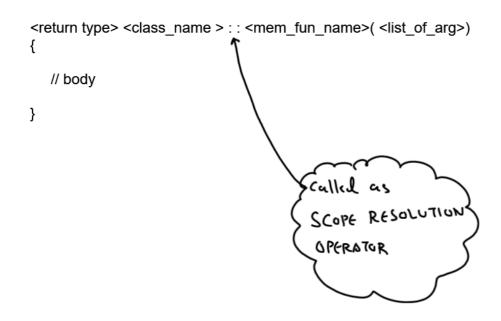
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## **Syntax Of Defining A Member Function**



```
#include <iostream.h>
#include <conio.h>
                                                                int main()
                                       10
class Student
                         gek)
                                                                   clrscr();
                                       /à '
                                                                   Student S;
  int roll;
                                                                   S.get();
  char grade;
                                      71.9
                                                                   S.show();
  float per;
                                                                   getch();
public:
                                                                   return 0;
  void get();
                                                                }
   void show();
};
void Student:: get()
{
 cout<<"Enter roll,grade and per:";
 cin>>roll>>grade>>per;
void Student:: show()
 cout<<"roll="<<roll<",grade="<<grade<<",per="<<per<<endl;
```

```
#include <iostream.h>
#include <conio.h>
                                                                   int main()
                                       10
class Student
                                  ۲
{
                                                                     clrscr();
                                       /0 '
  int roll;
                                                                     Student S,P;
  char grade;
                                                                      S.get();
  float per;
                                                                     S.show();
public:
                                                                     P.get();
                                                                     P.show();
   void get();
                                                                     getch();
   void show();
                                  9
                                     'ል'
                                                                     return 0;
                                                                   }
void Student:: get()
  cout<<"Enter roll,grade and per:";
  cin>>roll>>grade>>per;
void Student:: show()
  cout<<"roll="<<roll<",grade="<<grade<<",per="<<per<<endl;
                  lo
```

```
{
    clrscr();
    Student S,P;
    S.get();
    Ans: Yes

Will this codwe run?
Ans: Yes

Will this code accept data?
Ans: Yes

{
    clrscr();
    Student S,P;
    S.get();
    P.show();
    getch();
    return 0;
}
```

Will this code show proper output?

Ans: No

int main()

```
int main()
Qn. Will this code take 2 inputs?
Ans :yes
                                                              clrscr();
Qn. the second input will overwrite first input?
                                                              Student S,P;
Ans: No
                                                              S.get();
                                                              P.get();
Qn. Will this code show proper output?
                                                              S.show();
Ans: Yes
                                                              P.show();
                                                              getch();
                                                              return 0;
                                                           }
```

```
int main()
Qn. Will this code take 2 inputs?
Ans :yes
                                                                    clrscr();
                                                                    Student S,P;
Qn. The second input will overwrite first input?
                                                                    S.get();
Ans: Yes
                                                                    S.get()
Qn. Will this code show proper output?
                                                                    S.show();
Ans: Yes for S , No for P
                                                                    P.show();
                                                                    getch();
                                                                    return 0;
                                                                 }
```

## Assignment

=======

Write an object oriented program for accepting 2 integerts from the user , add them and display their result ?

Your next class will be on Wednesday(24th Aug) at 6:30 pm.