02-07-2024

STATIC MEMBER :-

SYNTAX:- static type name;

An objectless member is called static. only 1 copy of a one member is created for an entire class even though we have any number of objects.

It is also called instants [OR] class member.

It is created before main execution start.

EX:-

→ using namespace std;
include < iostreams >

```
class abc
{
    private: int a, b;
    public: static int c;
    public: void get ()
    {
        cout << " enter a, b " ;
        cin >> a >> b;
    }
    void put ()
    {
        cout << a << b;
    }
};
```

INSTANT MEMBERS
[OR]
NON-STATIC - MEMBERS

CLASS MEMBERS
[OR]
STATIC MEMBERS

```cpp
int abc :: c = 7;

main ( )
{
    cout << abc :: c;

    abc p, q, r;

    cout << p.c << q.c << r.c << abc :: c;
}
```

:: => SCOPE

O/P :- 7 7 7 7

EX :-
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```cpp
-> using namespace std;
#  include < iostream >
   class abc
   {
       public:
       static void Display ( )
       {
           cout << " hello display ";
       }
   };

   main ( )
   {
       abc :: Display ( );
   }
```

O/P :-
hello display