

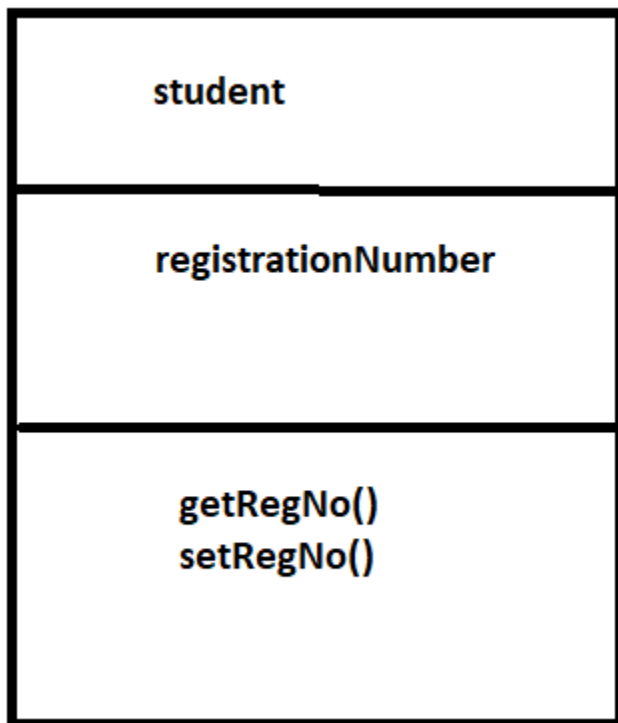
How to achieve encapsulation in C++?

Ans: By using make data member as a private and get and set accessor function as a public.

For example:

- student is class
- registrationNumber is private data member of this class and
- getRegNo() and setRegNo() is accessor function for this class

Class Diagram:-



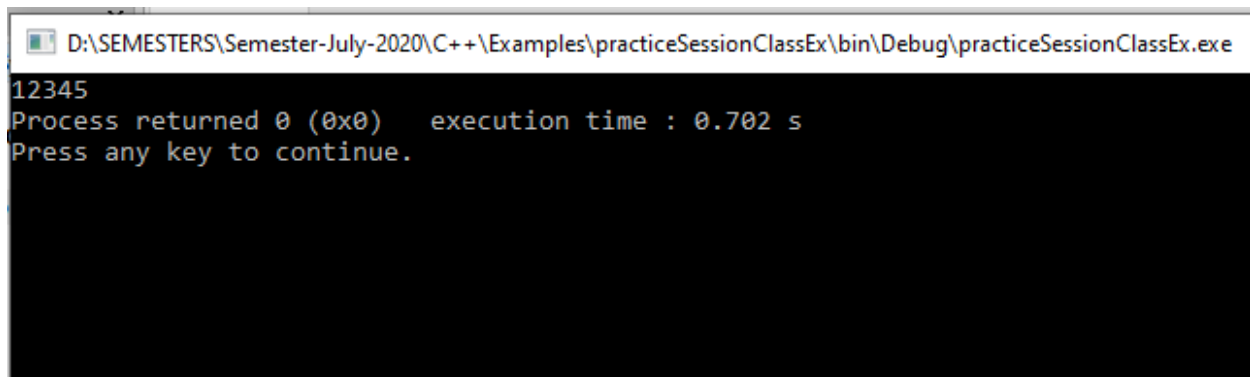
Code example:

```
#include <iostream>
using namespace std;
class student
{
private:
    int registrationNumber;
public:
    void setRegNo(int regno)
    {
```

```
        registrationNumber=regno;
    }
    int getRegNo()
    {
        return registrationNumber;
    }
};

int main()
{
    student s1;
    s1.setRegNo(12345);
    int myreg=s1.getRegNo();
    cout<<myreg;
    return 0;
}
```

Output:



```
D:\SEMESTERS\Semester-July-2020\C++\Examples\practiceSessionClassEx\bin\Debug\practiceSessionClassEx.exe
12345
Process returned 0 (0x0) execution time : 0.702 s
Press any key to continue.
```