

POINTERS TO OBJECT

```
#include <iostream>

using namespace std;

class student
{
    Public:

    char name[50],subject[50];

    int reg_no,*p;

    void get()
    {

        cout<<"Enter Your Name: \n";

        cin>>name;

        cout<<"Enter Your RegNo: \n";

        cin>>reg_no;

        cout<<"Enter Your Subject: \n";

        cin>>subject;

    }

    void display()
    {

        cout<<name<<endl;

        cout<<reg_no<<endl;

        cout<<subject<<endl;

    }

};

int main()
{

    student s;

    student *p;

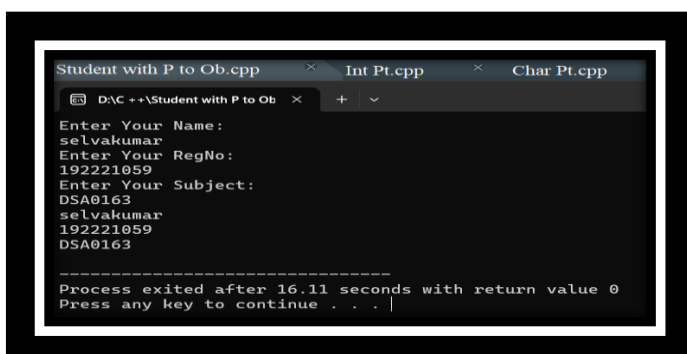
    p=&s;

    p->get();

    p->display();

}
```

OUTPUT

A screenshot of a Windows command prompt window titled "Student with P to Ob.cpp". The window shows the execution of a C++ program. The user is prompted to enter their name, registration number, and subject. The input is: Name: selvakumar, RegNo: 192221059, Subject: DSA0163. The program then displays the entered details. At the bottom, it shows "Process exited after 16.11 seconds with return value 0" and "Press any key to continue . . .".

```
Student with P to Ob.cpp  Int Pt.cpp  Char Pt.cpp
D:\C++\Student with P to Ob  +  v
Enter Your Name :
selvakumar
Enter Your RegNo:
192221059
Enter Your Subject:
DSA0163
selvakumar
192221059
DSA0163
-----
Process exited after 16.11 seconds with return value 0
Press any key to continue . . .
```

INTEGER USING POINTERS

```
#include <iostream>

using namespace std;

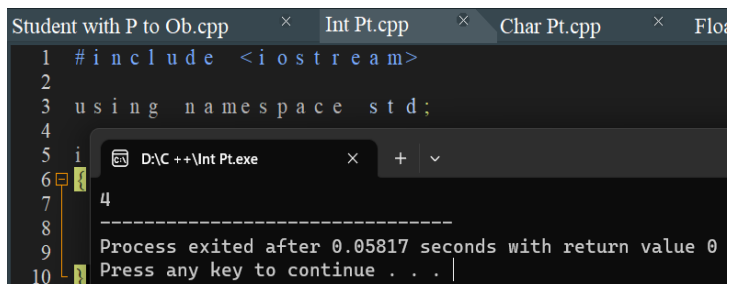
int main()
{
    int a=4;

    int *p=&a;

    cout<<*p;

}
```

OUTPUT



```
Student with P to Ob.cpp  x  Int Pt.cpp  x  Char Pt.cpp  x  Flo...
1  # i n c l u d e  < i o s t r e a m >
2
3  u s i n g   n a m e s p a c e   s t d ;
4
5  i
6  {
7      4
8      -----
9      Process exited after 0.05817 seconds with return value 0
10     Press any key to continue . . . |
```

CHAR USING POINTER

```
#include <iostream>

using namespace std;

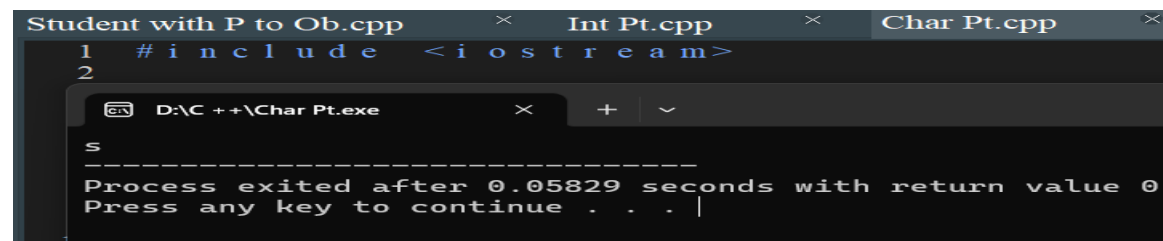
int main()
{
    char a[50]="s";

    char *p=a;

    cout<<*p;

}
```

OUTPUT



```
Student with P to Ob.cpp  x  Int Pt.cpp  x  Char Pt.cpp  x
1  # i n c l u d e  < i o s t r e a m >
2
3
4
5  s
6  -----
7  Process exited after 0.05829 seconds with return value 0
8  Press any key to continue . . . |
```

FLOAT USING POINTER

```
#include <iostream>

using namespace std;

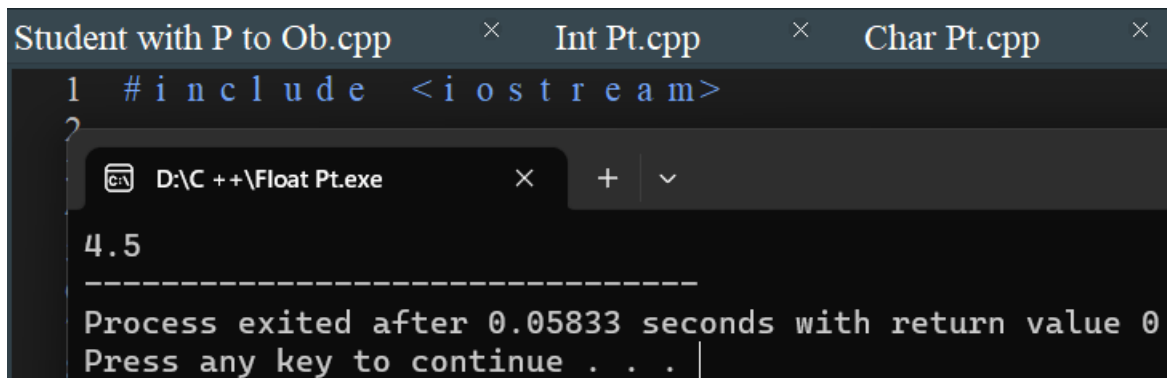
int main()
{
    float a=4.5;

    float *p=&a;

    cout<<*p;

}
```

OUTPUT



The screenshot shows a C++ IDE with three tabs: "Student with P to Ob.cpp", "Int Pt.cpp", and "Char Pt.cpp". The "Int Pt.cpp" tab is active, displaying the following code:

```
1 #include <iostream>
2
```

Below the code, the output of the program is shown in a console window. The output is "4.5", followed by a dashed line, and then the message "Process exited after 0.05833 seconds with return value 0". The prompt "Press any key to continue . . ." is visible at the bottom of the console window.

STRING USING POINTER

```
#include <iostream>

#include <string>

using namespace std;

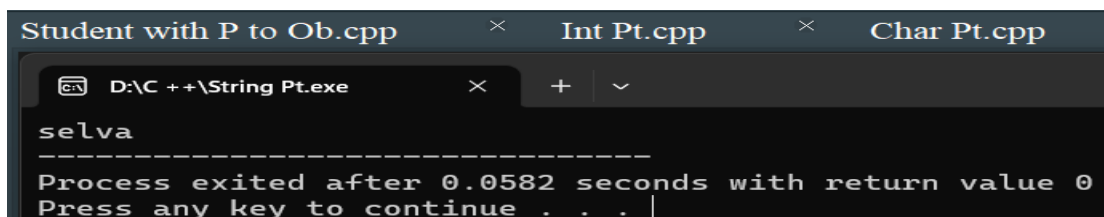
int main()
{
    string s="selva";

    string *p=&s;

    cout<<*p;

}
```

OUTPUT



The screenshot shows a C++ IDE with three tabs: "Student with P to Ob.cpp", "Int Pt.cpp", and "Char Pt.cpp". The "Int Pt.cpp" tab is active, displaying the following code:

```
Student with P to Ob.cpp
Int Pt.cpp
Char Pt.cpp

D:\C ++\String Pt.exe

selva

Process exited after 0.0582 seconds with return value 0
Press any key to continue . . .
```

ARRAY USING POINTER

```
#include <iostream>

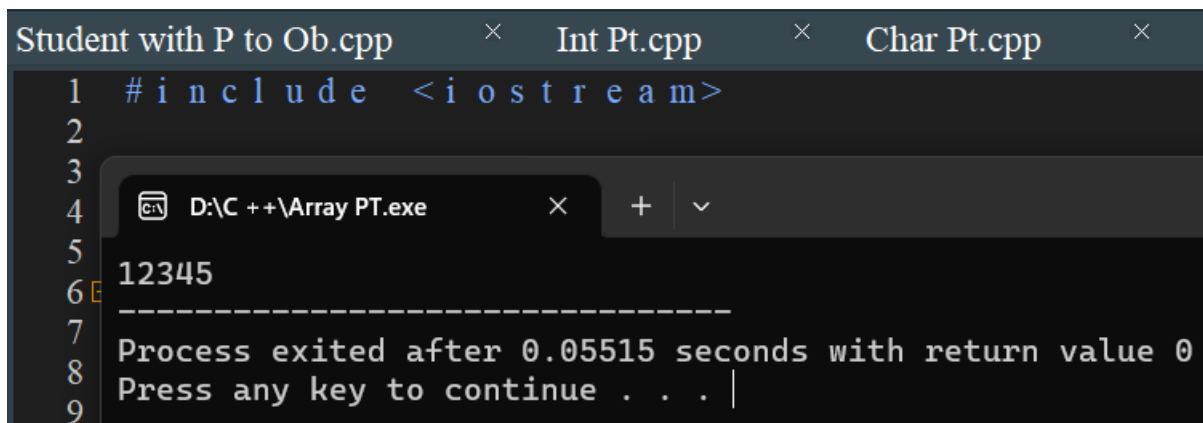
using namespace std;

int main()
{
    int s[5]={1,2,3,4,5};

    int *p;

    for(int i=0;i<5;i++)
    {
        p=&s[i];
        cout<<*p;
    }
}
```

OUTPUT



```
Student with P to Ob.cpp × Int Pt.cpp × Char Pt.cpp ×
1 # i n c l u d e < i o s t r e a m >
2
3
4 D:\C ++\Array PT.exe × + ▾
5
6 12345
7 -----
8 Process exited after 0.05515 seconds with return value 0
9 Press any key to continue . . . |
```