**Content 45(2)**

### Pointers to Objects and Arrow Operator in CPP

#include <iostream>

using namespace std;

class sample

{

    int a;

    int b;

public:

    void setdata(int n1, int n2)

    {

        a = n1;

        b = n2;

    }

    void getdata(void)

    {

        cout << "The value of a is: " << a << endl

             << "and the value of b is: " << b << endl;

    }

};

int main()

{   cout<<"By using \* as dereference operator"<<endl;

    sample s;

    sample \*ptr=&s;

    (\*ptr).setdata(4,3);

    (\*ptr).getdata();

    cout<<"By using arrow operator as dereference operator"<<endl;

    sample \*ptr1= new sample;

    ptr1->setdata(6,7);

    ptr1->getdata();

    return 0;

}

**Output:**

By using \* as dereference operator

The value of a is: 4

and the value of b is: 3

By using arrow operator as dereference operator

The value of a is: 6

and the value of b is: 7