**Practical no.-**16

**Title:** Program to overload unary operators ++ & --

**Roll No.:** 76 **Batch-** C

**Code:**

#include <iostream>

using namespace std;

class set

{

private:

int no1,no2;

public:

void getdata()

{

cout<<"\n\nEnter 2 integers:";

cin>>no1>>no2;

}

void putdata()

{

cout<<"No1="<<no1<<"\tNo2="<<no2;

}

//Operator functions declaration

void operator ++(void);

void operator --(void);

};

//Operator function defination ++ operator

void set::operator ++(void)

{

no1=no1+1;

no2=no2+1;

return;

}

//Operator function defination -- operator

void set::operator --(void)

{

no1=no1-1;

no2=no2-1;

return;

}

int main()

{

set s1,s2;

s1.getdata();//member function call

cout<<"Object before increment:\n";

s1.putdata();

++s1; //operator function call

cout<<"\nObject after increment:\n";

s1.putdata();//member function call

s2.getdata();//member function call

cout<<"Object before decrement:\n";

s2.putdata();//member function call

--s2; //operator function call

cout<<"\nObject after decrement:\n";

s2.putdata();//member function call

}

**OUTPUT-**

Enter 2 integers:14 69

Object before increment:

No1=14 No2=69

Object after increment:

No1=15 No2=70

Enter 2 integers:12 45

Object before decrement:

No1=12 No2=45

Object after decrement:

No1=11 No2=44

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