10)Write a program to overload pre-decrement and post-decrement operator using a) friend functions b) member functions

a)

//wap to overload pre decrement and post decrement using friend functions

#include<iostream>

using namespace std;

class num

{

int x;

public:

num()

{

x=0;

}

num(int x)

{

this->x=x;

}

friend void operator--(num &);

friend void operator--(num &,int);

void disp(){cout<<"The num="<<x<<endl;}

};

void operator--(num &s)

{

--s.x;

}

void operator--(num &s,int x)

{

s.x--;

}

int main()

{

num n1;

n1--;

--n1;

n1.disp();

return 0;

}

OUTPUT:



b)

//wap to overload pre decrement and post decrement using member functions

#include<iostream>

using namespace std;

class IncreDrecNum

{

10)b)

int i;

public:

IncreDrecNum()

{

i=0;

}

IncreDrecNum(int x)

{

i=x;

}

void operator--()

{

--i;

}

void operator--(int x)

{

i=i-1;

}

void disp(){cout<<"Numb="<<i<<endl;}

};

int main()

{

IncreDrecNum x1;

x1--;

--x1;

x1.disp();

return 0;

}

OUTPUT:

