**/\* Program No. :**

**Aim : WAP to declare a class power and raise a number n to a power p. The function takes a double value for n and an int value for p, and returns the result as double value. Use a default argument of 2 for p.**

**\*/**

#include<iostream.h>

#include<conio.h>

class power

{

double number;

int power;

public:

void setvalue(double,int = 2);

double pow();

};

void power::setvalue(double no,int pow)

{

number=no;

power=pow;

}

double power::pow()

{

double ans=1;

for(int i=0;i<power;i++)

ans\*=number;

return(ans);

}

void main()

{

clrscr();

power ob1,ob2;

int pow;

double no;

cout<<"\n\n\t\tEnter the number : ";

cin>>no;

cout<<"\n\t\tEnter the power : ";

cin>>pow;

ob1.setvalue(no);

ob2.setvalue(no,pow);

cout<<"\n\n\t\tNumber "<<no<<" to the power 2 is : "<<ob1.pow()

<<"\n\n\n\t\tNumber "<<no<<" to the power "<<pow<<" is : "

<<ob2.pow();

getch();

}

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