ASSIGNMENT NO 2

- **Implementation of class**

```
#include<iostream>
#include<conio.h>
using namespace std;
class engineering_stuff
{
public:
   char name[10];
   int grand_total;
   int quantity,price,total_price;
   void input()
   {
     cout<<"enter the name of stuff"<<endl;
     cin>>name;
     cout<<"enter the price of stuff"<<endl;
     cin>>price;
     cout<<"enter the quantity of stuff"<<endl;
     cin>>quantity;

   }
   void display()
   {
```

```
total_price=price*quantity;
cout<<"\t"<<name<<"\t\t"<<quantity<<"\t\t"<<price<<"\t\t"<<t
otal_price<<endl;
cout<<"\t**************************************************
**********************************"<<endl;
   }
   void total()
   {
      total_price=price*quantity;
      grand_total=total_price;
      cout<<"\n\t\t\t\t******************";
      cout<<"\n\t\t\t\t\grand total="<<grand_total;
      cout<<"\n\t\t\t\t******************\n";
   }
};

int main()
{
 engineering_stuff s;
 s.input();

cout<<"\t\t\t********************DATA*****************
*"<<endl;
```

```
cout<<"\tstuff_name"<<"\tquantity\t"<<"price\t\t"<<"total_quan
tity\t\t"<<endl;

cout<<"\t**********************************************
**********************************"<<endl;
 s.display();
 s.total();
}
```

OUTPUT:-

```
enter the name of stuff
sumit
enter the price of stuff
2000
enter the quantity of stuff
23
        ----------------------DATA-------------------------
    stuff_name      quantity        price          total_price
**************************************************************
      sumit                23            2000          46000
**************************************************************

                        *****************
                        Grand total=46000
                        *****************
```

ASSIGNMENT NO 2B

- **Implementation of class using array of object**

```
#include<iostream>
#include<conio.h>
using namespace std;
class engineering_stuff
{
public:
   char name[10];
   int quantity,price,total_price;
   void input()
   {
     cout<<"enter the name of stuff"<<endl;
     cin>>name;
     cout<<"enter the price of stuff"<<endl;
     cin>>price;
     cout<<"enter the quantity of stuff"<<endl;
     cin>>quantity;

   }
   void display()
   {
      total_price=price*quantity;
```

```
cout<<"\t"<<name<<"\t\t"<<quantity<<"\t\t"<<price<<"\t\t"<<t
otal_price<<endl;
    }
};
int main()
{
int n;
float grand_total=0;
 engineering_stuff s[20];
 cout<<"enter the number of stuff\n";
 cin>>n;
for(int i=0;i<n;i++)
{
  s[i].input();
}
 cout<<"\t\t\t----------------------DATA-------------------------
"<<endl;
cout<<"\tstuff_name\t"<<"\tquantity\t"<<"price\t\t"<<"total_pri
ce"<<endl;

cout<<"\t**********************************************
**********************************"<<endl;
for(int i=0;i<n;i++)
{
```

```
  s[i].display();
  grand_total=grand_total+s[i].total_price;


cout<<"\t*****************************************************
**********************************"<<endl;
   if(i==(n-1))
   {
     cout<<"\n\t\t\t\t*****************";
        cout<<"\n\t\t\t\tGrand Total="<<grand_total;
        cout<<"\n\t\t\t\t*****************\n";
   }
}
}
```

OUTPUT:-

enter the number of stuff

3

enter the name of stuff

keyboard

enter the price of stuff

500

enter the quantity of stuff

30

enter the name of stuff

motherboard

enter the price of stuff

1200

enter the quantity of stuff

5

enter the name of stuff

wirlessmouse

enter the price of stuff

500

enter the quantity of stuff

6

----------DATA----------

stuff_name	quantity	price	total_price
keyboard	30	500	15000
motherboard	5	1200	6000
wirlessmouse	6	500	3000

****

Grand Total=24000

****