

# **“DEPARTMENTAL STORE MANAGEMENT SYSTEM”**

## **1.0 BRIEF INTRODUCTION:**

Most of the time it becomes difficult to remember how many items are available in our department store. To do it physically we require lot of manpower as well as time, to overcome this problem we have made this project which will calculate and show the bill in seconds. In this, the whole information of customer can be easily done along with calculations.

## **2.0 AIM OF MICROPROJECT:**

1. Helps to keep all information details about each customer about who has purchased what item along with quantity, price, discount.
2. In this we can easily display the information about each customer who has visited the store.
3. Does calculations and displays the bill.
4. By this project one can easily understand the concept of class, inheritance in C++.

## **3.0 COURSE OUTCOME INTEGRATED:**

### **PROGRAM CODE:-**

```
#include<iostream.h>

#include<conio.h>

int i;

float x=0,z=0;

class item
{
protected:
char name[20],address[20];

int n;

public:
```

```

void getdata();
};
void item::getdata()
{
cout<<"Enter the name:";
cin>>name;
cout<<endl<<"Enter the address:";
cin>>address;
cout<<endl<<"Enter the number of items:";
cin>>n;
}
class item_comp:public item
{
protected:
float p[20],d,q[20],t[20];
char goods[20];
public:
void compute();
};
void item_comp::compute()
{
for(i=0;i<n;i++)
{
cout<<endl<<"Enter the name of the item:";
cin>>goods;
cout<<endl<<"Enter the quantity of the item:";
cin>>q[i];
cout<<endl<<"Enter the price:";

```

```

cin>>p[i];
cout<<"Enter the discount:";
cin>>d;
t[i]=p[i]*q[i];
x=t[i]+x;
d=t[i]*d/100;
z=z+d;
}
}

class item_display:public item_comp
{
int s[20];
public:
void show();
};

void item_display::show()
{
cout<<"*****BILL*****";
cout<<endl;
cout<<endl;
cout<<endl;

cout<<"S.NO."<<"\t"<<"item name"<<"\t"<<"quantity"<<"\t"<<"price"<<"\t"<<"total
amount"<<endl;

for(i=0;i<n;i++)
{
s[i]=i+1;

cout<<"0"<<s[i]<<"\t"<<" " <<"goods"<<"\t"<<" " <<q[i]<<"\t"<<"
"<<p[i]<<"\t"<<" " <<t[i]<<endl;
}
}

```

```

cout<<"*****
**";

cout<<endl<<"                TOTAL AMOUNT:"<<x;

cout<<endl<<"                LESS DISCOUNT:"<<z;

cout<<endl<<"                -----";

cout<<endl<<"                GRAND TOTAL:"<<x-z;

}

void main()

{

clrscr();

cout<<"***** BY AFRAH MUKADAM
*****\n";

item_display g;

g.getdata();

g.compute();

cout<<endl;

cout<<endl;

g.show();

getch();

}

```

#### **4.0 ACTUAL PROCEDURE FOLLOWED:**

1. Project estimation
2. Project selection
3. Project planning
4. Coding
5. Testing

## 5.0 ACTUAL RESOURCES USED:

S.NO	Name of resources/material	Specifications	Qty	Remarks
1.	Turbo C++	Version 3.2	-	
2.	Dos Box	Version 7	-	

## 6.0 OUTPUT OF MICROPROJECT:

```
***** BY AFRAH MUKADAM *****
Enter the name: afrah
Enter the address:ratnagiri
Enter the number of items:2
Enter the name of the item:book
Enter the quantity of the item:1
Enter the price:100
Enter the discount:10
Enter the name of the item:pen
Enter the quantity of the item:10
Enter the price:100
Enter the discount:10
```

```
Enter the quantity of the item:1
Enter the price:100
Enter the discount:10
Enter the name of the item:pen
Enter the quantity of the item:10
Enter the price:100
Enter the discount:10

*****BILL*****

S.NO.   item name      quantity   price    total amount
01      pen            1          100      100
02      pen            10         100      1000
*****
                                TOTAL AMOUNT:1100
                                LESS DISCOUNT:110
                                -----
                                GRAND TOTAL:990_
```

## **7.0 SKILLS DEVELOPED OUT OF THIS MICRO-PROJECT:**

1. Implementation of class, inheritance in C++.
2. Implementation of basic concepts in object oriented programming using C++.
3. Billing concept of number of items in departmental store using programming language C++.