**Write a program to demonstrate the use of different ios flags and functions to format the output. Create a program to generate the bill invoice of a department store by using different formatting.**

**#include <iostream>**

**#include <fstream>**

**#include <iomanip>**

**using namespace std;**

**int main()**

**{**

**ofstream bill("bill.txt",ios::out);**

**bill<< "ABCD SUPER MARKET" << endl;**

**cout<<"ABCD SUPER MARKET" << endl;**

**int sno = 1;**

**char part[20];**

**int qt;**

**float price;**

**float subtotal;**

**float total = 0;**

**char ans;**

**bill << setw(4) << "Sno " << setw(20) << left << "Particulars "<< setw(10) << "Quantity " << setw(6) << "Price "<< setw(10) <<"Sub total " << endl;**

**do{**

**cout << "Particulars:" ;**

**cin >> part;**

**cout << "Quantity:";**

**cin >> qt;**

**cout << "Price:";**

**cin >> price;**

**cout << "Sub Total:";**

**subtotal = qt \* price;**

**cout << subtotal << endl;**

**total += subtotal;**

**bill << setw(4) << sno++ << setw(20) << left << part << setw(10) << qt << setw(6) << price << setw(10) << subtotal << endl;**

**cout << "Do you want to continue (y/n)";**

**cin >> ans;**

**}**

**while(ans == 'y');**

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

**bill << setw(34) << "total" << setw(10) << total << endl;**

**bill.close();**

**return 0;**

**}**

**#include<iostream>//or**

**#include<conio.h>**

**#include<iomanip>**

**using namespace std;**

**class Bill**

**{**

**string \*item\_name;**

**int \*item\_quantity,n;**

**float \*item\_rate,\*total\_price;**

**public:**

**void getdata()**

**{**

**cout<<"Enter the no of items:";**

**cin>>n;**

**item\_name = new string[n];**

**item\_quantity = new int[n];**

**item\_rate=new float[n];**

**total\_price= new float[n];**

**for(int i=0;i<n;i++)**

**{**

**cin.ignore();**

**cout<<endl<<"Enter item name:\t";**

**getline(cin,item\_name[i]);**

**cout<<endl<<"Enter item quantity:\t";**

**cin>>item\_quantity[i];**

**cout<<endl<<"Enter item rate:\t";**

**cin>>item\_rate[i];**

**total\_price[i]=item\_quantity[i]\*item\_rate[i];**

**}**

**}**

**void display()**

**{**

**int total=0;**

**system("cls");**

**cout<<right<<setfill('\*')<<setw(62)<<"WELCOME"<<setw(55)<<' '<<endl;**

**cout<<left<<setfill(' ')<<setw(15)<<"S.N"<<setw(25)<<"Item name"<<setw(25)<<"Item quantity"<<setw(25)<<"Item rate"<<setw(25)<<"Total price"<<endl;**

**for(int i=0;i<n;i++)**

**{ cout<<left<<setw(15)<<i+1<<setw(25)<<item\_name[i]<<setw(25)<<item\_quantity[i]<<setw(25)<<item\_rate[i]<<setw(25)<<total\_price[i]<<endl;**

**total+=total\_price[i];**

**}**

**cout<<right<<setw(96)<<"----------"<<endl;**

**cout<<right<<setw(91 )<<total;**

**}**

**};**

**int main()**

**{**

**Bill b;**

**b.getdata();**

**b.display();**

**}**