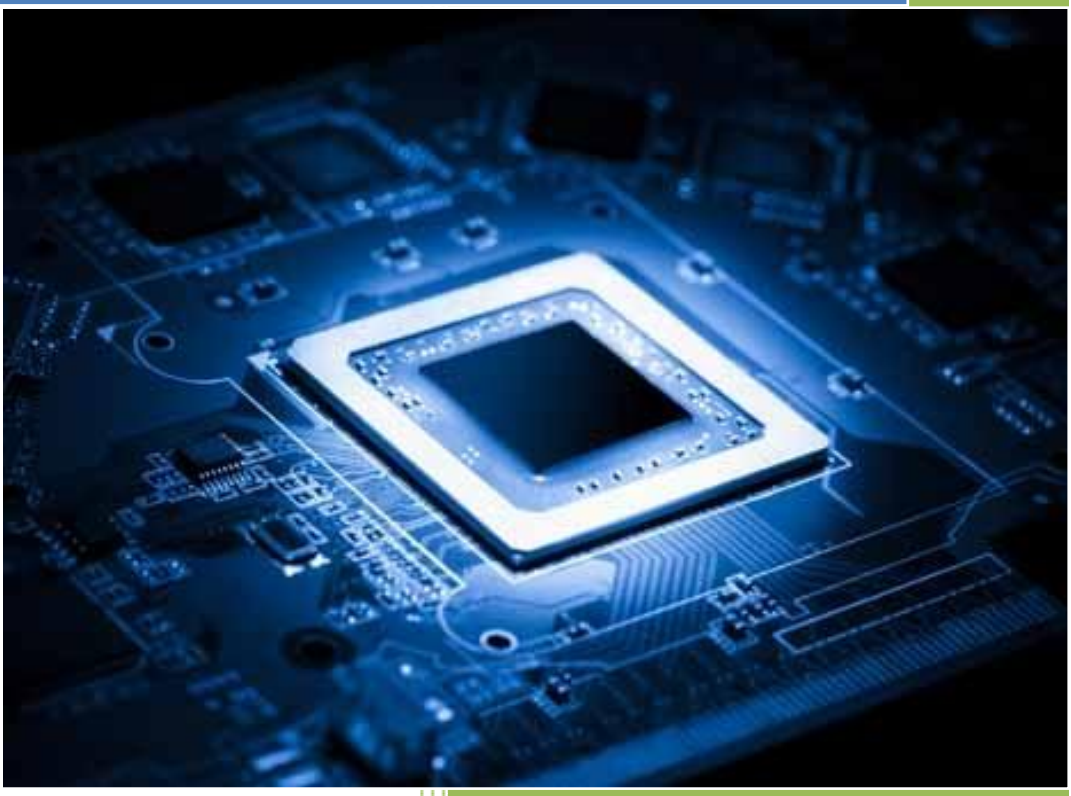
2013

Computer Science Project



Nikhil

St Joseph's High School

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St. Joseph's sr. secondary school (CBSE)

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Class – 12th , Div – B Roll no. – 20

Topic :- Computer Shop

Under the guidence of :- Ms. Depanjali

Acknowledgements

I wish to express my deep gratitude and sincere thanks to principal, Kalpana Dwivedi, St. Joseph's High School, New Panvel for her encouragement and for all the facilities that she has provided to us.

I extend my hearty thanks to our Computer Science teacher Ms. Depanjali , who guided me to the successful completion of this project I take this opportunity to express my deep sense of gratitude for her valuable guidance, constant encouragement, constructive comments and immense motivation which sustained my effort at all stages of this project work.

I can't forget to offer my sincere thanks to my classmates who helped me to carry out this project work successfully and for their valuable advice and support which I received from them time to time.

Certificate

This is to certify that the Ccomputer Science project On " Computer Shop ". Has been sincerely and satisfactorily completed by the candidate Nikhil Mahesh patel , roll number 20 for the class XII practical examination of the academic year 2013-2014.

Board Roll number:

Teachers' signature **Date _____**

Principal's signature **External Examiner signature**

School stamp

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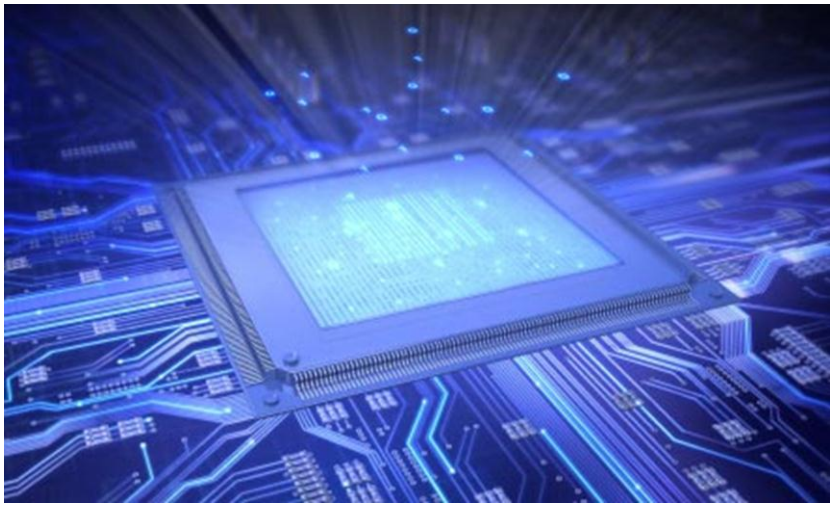
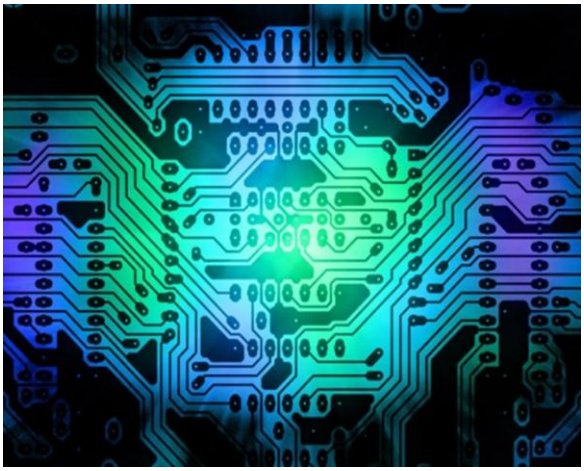
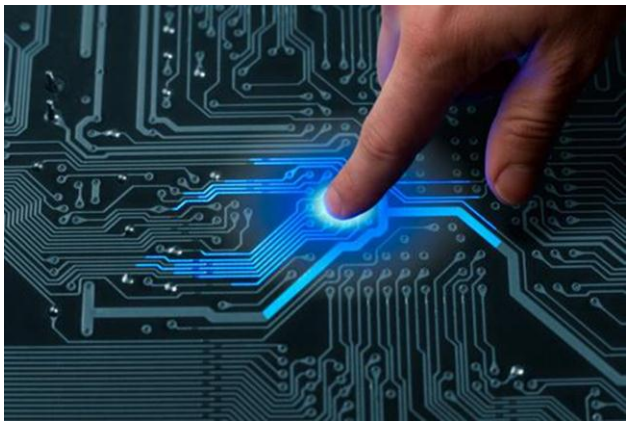






Project Synopsis

1). Feature Enhancement

This project basically deals with the software used in the big computer selling shops or the online shopping websites. It is a password protected software which enable security for data stored in the system. It Deals with selling of different types of computers and its components. This Software enhances the buyer to buy the most appropriate option to buy the Computers. This software enhances the user to buy many goods simultaneously using a cart system. This software package includes all the latest types of computers in the market.

2). Use of the Project

This C++ Program with the Help of the concept of data file handling can be used in the computer shops to maintain the easy and continuous flow of the billing and the Updating of the products. This program efficiently keeps the data stored in the file to alter the loss of data of the computer shop anytime.

Since it is a program of C++ hence it is a small and efficient to handle at a faster rate. With the help of just a bit we can store many data in it without the fear of losing it.

3). Objective

The main objective of the program is to create the easy and efficient way of buying computer in the shop. Also it helps in the storing the important data in the file for as long as the shop exist.

4).Software used

Borland C++ v4.5

Turbo C++ v3.0

Note pad

[Note: Best Woks with Borland C++ v4.5]

Program logic

```
/*Program to Create a "Computer Shop" Using a C++ Programming Language */

//*************************************************************************
************
//                HEADER FILE USED IN PROJECT
//*************************************************************************
************

#include<iostream.h> // To use cout and cin Functions
#include<conio.h>    // To use clrscr()
#include<fstream.h>  // To use data file Handling Concept
#include<stdio.h>    // To use gets() , puts()
#include<iomanip.h>  // To use Stew()
#include<string.h>   // To use Strcmp()
#include<process.h>  // To use exit(0)

//*************************************************************************
************
//                CLASS USED IN PROJECT
//*************************************************************************
**************



class LaptopAcc    //Laptop Accesories
{
  private:

  int Pcode;       // Characteristics of the laptop

  char Type[20];
  char Name[20];
  float Weight;
```

```
 float Price;

 public:

 char Brand[20];   // To Know the Data members out of the program
 char Cart;

 LaptopAcc()    // Constructor to initilse the data members with an initial Value
 {
       strcpy( Type , "Not Assigned Yet" );
       strcpy( Name , "Not Assigned Yet" );
       strcpy( Brand , "Not Assigned Yet" );
       Weight = 0.0 ;
       Price = 0.0;
       Pcode = 0;
       Cart = 'N';
 }

 void GetLaptopAcc();   // Member function to read data

 void PutLaptopAcc();   // Member function to read data

 int PutPcodeLaptopAcc()
 {
       return Pcode;     // Accesor function to return the Value of the Pcode
 }

 float PutPriceLaptopAcc()
 {
       return Price;   // Accesor function to return the Value of the Price
 }

};
```

```
void LaptopAcc :: GetLaptopAcc()  // Member fuction to Get the data From the user interface
{
  clrscr();  // To clear the screen

  cout<<"\nEnter the Product Code ";
  cin>>Pcode;
  cout<<"\nEnter the type of the item ";
  gets(Type);
  cout<<"\nEnter the Brand of the item ";
  gets(Brand);
  cout<<"\nEnter the Name of the item ";
  gets(Name);
  cout<<"\nEnter the weight of the item ";
  cin>>Weight;
  cout<<"\nEnter the price of the item ";
  cin>>Price;

  return;

}

void LaptopAcc :: PutLaptopAcc()  // Member fuction to Show the data From the user interface
{
  cout<<"\n\nThe Product Code "<<Pcode;
  cout<<"\n\nThe type of the item is ";
  puts(Type);
  cout<<"\n\nThe Brand of the item is ";
  puts(Brand);
  cout<<"\n\nThe Name of the item is ";
  puts(Name);
  cout<<"\n\nThe weight of the item is ";
  cout<<Weight;
  cout<<"\n\nThe price of the item is ";
```

```
 cout<<Price;

 return;

}
                                                    //End of the Class Laptop
Accsesore



class Tablets            //Tablets Start
{
 private:

 int Pcode;
 char Specifications[100]; // Characteristics of the Tablets
 char Name[25];
 float Price;
 float scrsize;

 public:

 char Cart;
 char Brand[20];  // To Know the Data members out of the program

 Tablets()  // Constructor to initilse the data members with an initial Value
 {
       Pcode=0;
       strcpy( Brand , "Not Assigned Yet" );
       strcpy( Specifications , "Not Assigned Yet" );
       strcpy( Name , "Not Assigned Yet" );
       Price = 0.0;
       scrsize = 0.0;
       Cart = 'N';
 }
```

```
 int PutPcodeTablets()
 {
       return Pcode;      // Accesor function to return the Value of the Pcode
 }

 float PutPriceTablets()
 {
       return Price;      // Accesor function to return the Value of the Price
 }

 void GetTablets(); // Member function to read data

 void PutTablets(); // Member function to show data

};

void Tablets :: GetTablets()// Member fuction to Get the data From the user
interface
{
 clrscr();

 cout<<"\nEnter the Product code of the Tablet ";
 cin>>Pcode;
 cout<<"\nEnter the Brand of the Tablet  ";
 gets(Brand);
 cout<<"\nEnter the Name of the Tablet  ";
 gets(Name);
 cout<<"\nEnter the Specifications of the Tablet \n\n  ";
 gets(Specifications);
 cout<<"\nEnter the price of the Tablet ";
 cin>>Price;
 cout<<"\nEnter the screen size ";
 cin>>scrsize;
```

```
  return;

}

void Tablets ::  PutTablets()// Member fuction to Show the data From the user
interface
{
  cout<<"\n\nThe Product code of the Tablet is "<<Pcode;
  cout<<"\n\nThe Brand of the Tablet is  ";
  puts(Brand);
  cout<<"\n\nThe Name of the Tablet is  ";
  puts(Name);
  cout<<"\n\nThe Specifications of the Tablet is \n\n  ";
  puts(Specifications);
  cout<<"\n\nThe price of the Tablet is  "<<Price;
  cout<<"\n\nThe screen size is  "<<scrsize;

  return;

}                          // Tablets End

class Network                  // Network Start
{
  private:

  int Pcode;    // Characteristics of the Network components
  char Classtype;
  int Range;
  char Name[30];

  char Type[50];
  float Price;

  public:
```

```
 char Cart;     // To Know the Data members out of the program
 char Brand[20];

 Network()// Constructor to initilse the data members with an initial Value
 {
       Pcode = 0;
       Classtype = '0';
       Range = 0;
       Cart = 'N';
       Price=0;
       strcpy( Name , "Not Assigned Yet" );
       strcpy( Brand , "Not Assigned Yet" );
       strcpy( Type , "Not Assigned Yet" );
 }

 int PutPcodeNetwork()
 {
       return Pcode; // Accesor function to return the Value of the Pcode
 }

 float PutPriceNetwork()
 {
       return Price;  // Accesor function to return the Value of the Price
 }

 void GetNetwork();// Member function to read data

 void PutNetwork(); // Member function to show data

};

void Network :: GetNetwork()// Member fuction to Get the data From the user
interface
{
  clrscr();
```

```
  cout<<"\nEnter the Product code ";
  cin>>Pcode;
  cout<<"\nEnter the Brand ";
  gets(Brand);
  cout<<"\nEnter the Name ";
  gets(Name);
  cout<<"\nEnter the Type ";
  gets(Type);
  cout<<"\nEnter the Class Type ";
  cin>>Classtype;
  cout<<"\nEnter the Range ";
  cin>>Range;
  cout<<"\nEnter the price of the Item ";
  cin>>Price;

  return;

}

void Network :: PutNetwork()// Member fuction to Show the data From the user
interface
{
  cout<<"\n\nThe Product code of item is "<<Pcode;
  cout<<"\n\nThe Brand of item is ";
  puts(Brand);
  cout<<"\n\nThe Name of item is ";
  puts(Name);
  cout<<"\n\nThe Type of item is ";
  puts(Type);
  cout<<"\n\nThe Class Type of item is "<<Classtype;
  cout<<"\n\nThe Range of item is "<<Range;
  cout<<"\n\nThe Price of the Item is "<<Price;

  return;
```

```
}                   //Network End


class Laptops          //Laptops Start
{
 private:

 int Pcode;   // Characteristics of the laptop
 char cla[20] , Processor[20] , Sysmem[20] , Storage[20];
 char Os[20] , Graphics[25];
 float Weight;
 float Dimentions[3];
 char Warranty[30];
 double Price;

 public:

 char Cart;     // To Know the Data members out of the program
 char Brand[20];

 Laptops() // Constructor to initilse the data members with an initial Value
 {
  Pcode=0;
  Cart = 'N';
  strcpy( cla , "Not Assigned Yet" );
  strcpy( Brand , "Not Assigned Yet" );
  strcpy( Processor , "Not Assigned Yet" );
  strcpy( Sysmem , "Not Assigned Yet" );
  strcpy( Storage , "Not Assigned Yet" );
  strcpy( Os , "Not Assigned Yet" );
  strcpy( Graphics , "Not Assigned Yet" );
  strcpy( Warranty , "Not Assigned Yet" );
  Weight = 0;
  Price = 0;
```

```
 Dimentions[0] = 0;
 Dimentions[1] = 0;
 Dimentions[2] = 0;
}

int PutPcodeLaptops()
{
        return Pcode;  // Accesor function to return the Value of the Pcode
}

float PutPriceLaptops()
{
        return Price; // Accesor function to return the Value of the Price
}

 void GetLaptops();    // Member function to read data

 void PutLaptops();   // Member function to show data

};

void Laptops :: GetLaptops() // Member fuction to Get the data From the user
interface
{
 clrscr();

 cout<<"\nEnter the Product code ";
 cin>>Pcode;
 cout<<"\nEnter the Class of the laptop  ";
 gets(cla);
 cout<<"\nEnter the Brand of the laptop  ";
 gets(Brand);
 cout<<"\nEnter the Processor of the laptop  ";
 gets(Processor);
 cout<<"\nEnter the System Memory  ";
```

```
 gets(Sysmem);
 cout<<"\nEnter the Storage of the laptop  ";
 gets(Storage);
 cout<<"\nEnter the Operating Syste of the Laptop  ";
 gets(Os);
 cout<<"\nEnter the Graphics Configuration of the laptop  ";
 gets(Graphics);
 cout<<"\nEnter the Warranty of the laptop  ";
 gets(Warranty);
 cout<<"\nEnter the Weight of the laptop  ";
 cin>>Weight;
 cout<<"\nEnter the dimentions of the laptop  ";
 cin>>Dimentions[0];
 cout<<" X ";
 cin>>Dimentions[1];
 cout<<" X ";
 cin>>Dimentions[2];
 cout<<"\nEnter the Price of the Laptop ";
 cin>>Price;

 return;

}

void Laptops :: PutLaptops()// Member fuction to Show the data From the user
interface
{
 cout<<"\nThe Product code is "<<Pcode;
 cout<<"\nThe Class of the laptop is ";
 puts(cla);
 cout<<"\nThe Brand of the laptop is ";
 puts(Brand);
 cout<<"\nThe Processor of the laptop is ";
 puts(Processor);
 cout<<"\nThe System Memory is ";
```

```
 puts(Sysmem);
 cout<<"\nThe Storage of the laptop is ";
 puts(Storage);
 cout<<"\nThe Operating Syste of the Laptop is ";
 puts(Os);
 cout<<"\nThe Graphics Configuration of the laptop is ";
 puts(Graphics);
 cout<<"\nThe Warranty of the laptop is ";
 puts(Warranty);
 cout<<"\nThe Weight of the laptop is ";
 cout<<Weight;
 cout<<"\nThe price of the laptop is  "<<Price;
 cout<<"\nThe dimentions of the laptop is ";
 cout<<Dimentions[0]<<" X "<<Dimentions[1]<<" X "<<Dimentions[2];

 return;
                                                          //laptops End
}


class Desktop          //Desktop Start
{
 private:

 int Pcode;  // Characteristics of the Desktop
 char Name[30] , Type[25] , Processor[20] , OS[20] ,  Sysmem[20];
 char HardDrive[20] ;
 float Price;

 public:

 char Cart;  // To Know the Data members out of the program
 char Brand[20];

 Desktop() // Constructor to initilse the data members with an initial Value
```

```
{
 Pcode=0;
 Cart = 'N';
 strcpy( Name , "Not Assigned Yet" );
 strcpy( Type , "Not Assigned Yet" );
 strcpy( Processor , "Not Assigned Yet" );
 strcpy( OS , "Not Assigned Yet" );
 strcpy( Sysmem , "Not Assigned Yet" );
 strcpy( HardDrive , "Not Assigned Yet" );
 strcpy( Brand , "Not Assigned Yet" );
 Price = 0;
}

int PutPcodeDesktop()
{
	return Pcode; // Accesor function to return the Value of the Pcode
}

float PutPriceDesktop()
{
	return Price; // Accesor function to return the Value of the Price
}

void PutDesktop();  // Member function to show data

void GetDesktop(); // Member function to read data

};

void Desktop :: GetDesktop() // Member fuction to Get the data From the user
interface
{
 cout<<"\nEnter the Product code of the Item ";
 cin>>Pcode;
 cout<<"\nEnter the Brand of the Computer ";
```

```
 gets(Brand);
 cout<<"\nEnter the Name of the Computer ";
 gets(Name);
 cout<<"\nEnter the Type of the Computer ";
 gets(Type);
 cout<<"\nEnter the Operating System of the Computer ";
 gets(OS);
 cout<<"\nEnter the Processor of the Computer ";
 gets(Processor);
 cout<<"\nEnter the HardDrive Space of the Computer ";
 gets(HardDrive);
 cout<<"\nEnter the System Memory of the Computer ";
 gets(Sysmem);
 cout<<"\nEnter the price of the Computer ";
 cin>>Price;

 return;

}

void Desktop :: PutDesktop() // Member fuction to Show the data From the user
interface
{
 cout<<"\nThe Product code of the Item is "<<Pcode;
 cout<<"\nThe Brand of the Computer is ";
 puts(Brand);
 cout<<"\nThe Name of the Computer is ";
 puts(Name);
 cout<<"\nThe Type of the Computer is ";
 puts(Type);
 cout<<"\nThe Operating System of the Computer is ";
 puts(OS);
 cout<<"\nThe Processor of the Computer is ";
 puts(Processor);
 cout<<"\nThe HardDrive Space of the Computer is ";
```

```
 puts(HardDrive);
 cout<<"\nThe System Memory of the Computer is ";
 puts(Sysmem);
 cout<<"\nThe price of the Computer is "<<Price;

 return;

}                // Dextop End

class ComputerPeri      //Computer periferals
{
 private:

 int Pcode; // Characteristics of the Computer Periferals
 char Keyfeatures[100] , Name[20]  , Type[20] ;
 float Price;

 public:

 char Brand[20];// To Know the Data members out of the program
 char Cart;

 ComputerPeri() // Constructor to initilse the data members with an initial Value
 {
  Pcode=0;
  Cart = 'N';
  strcpy( Keyfeatures , "Not Assigned Yet" );
  strcpy( Name , "Not Assigned Yet" );
  strcpy( Brand , "Not Assigned Yet" );
  strcpy( Type , "Not Assigned Yet" );
  Price = 0;
 }

 int PutPcodeComputerPeri()
 {
```

```
        return Pcode;  // Accesor function to return the Value of the Pcode
 }

 float PutPriceComputerPeri()
 {
        return Price;  // Accesor function to return the Value of the Price
 }

 void GetComputerPeri(); // Member function to read data

 void PutComputerPeri(); // Member function to show data

};

void ComputerPeri :: GetComputerPeri() // Member fuction to Get the data From
the user interface
{
  clrscr();

  cout<<"\nEnter the Product code of the item ";
  cin>>Pcode;
  cout<<"\nEnter the Type of the Item ";
  gets(Type);
  cout<<"\nEnter the Brand of the Item ";
  gets(Brand);
  cout<<"\nEnter the Key Features of the Item ";
  gets(Keyfeatures);
  cout<<"\nEnter the price of the Item ";
  cin>>Price;

  return;

}
```

```
void ComputerPeri :: PutComputerPeri() // Member fuction to Show the data From
the user interface
{
  cout<<"\nThe Product code of the item "<<Pcode;
  cout<<"\nThe Type of the Item ";
  puts(Type);
  cout<<"\nThe Brand of the Item ";
  puts(Brand);
  cout<<"\nThe Key Features of the Item ";
  puts(Keyfeatures);
  cout<<"\nThe price of the Item "<<Price;

  return;

}                    //End of Computer periferals

class Software          //Start of software
{
 private:

 char Name[30] ;   // Characteristics of the Software
 char Details[100];
 int Pcode ;
 float Price;

 public:

 char Brand[20];
 char Cart;     // To Know the Data members out of the program

 Software()// Constructor to initilse the data members with an initial Value
 {
  strcpy( Brand , "Not Assigned Yet" );
  strcpy( Name , "Not Assigned Yet" );
  strcpy( Details , "Not Assigned Yet" );
```

```
 Pcode = 0.0 ;
 Cart = 'N';
 Price = 0;
}

int PutPcodeSoftware()
{
        return Pcode;// Accesor function to return the Value of the Pcode
}

float PutPriceSoftware()
{
        return Price;// Accesor function to return the Value of the Price
}

 void GetSoftware();// Member function to read data

 void PutSoftware(); // Member function to show data

};

void Software ::  GetSoftware() // Member fuction to Get the data From the user
interface
{
 clrscr();

 cout<<"\nEnter the Product code ";
 cin>>Pcode;
 cout<<"\nEnter the Brand of the item ";
 gets(Brand);
 cout<<"\nEnter the Name of the item ";
 gets(Name);
 cout<<"\nEnter the Details of the item ";
 gets(Details);
 cout<<"\nEnter the price of the ";
```

```
 cin>>Price;

 return;

}

void Software ::  PutSoftware()// Member fuction to Show the data From the user
interface
{
 clrscr();

 cout<<"\n\nThe Product code is "<<Pcode;
 cout<<"\n\nThe Brand of the item is ";
 puts(Brand);
 cout<<"\n\nThe Name of the item is ";
 puts(Name);
 cout<<"\n\nThe Details of the item is ";
 puts(Details);
 cout<<"\n\nThe price of the item is "<<Price;

 return;

}                    //End of Software

                                                        //Start of Audio players
class  Audio
{
 private:

 char Type[20] , Name[30] , Details[50];
 float Price; // Characteristics of the Audio players
 int Pcode;

 public:
```

```
 char Brand[20];
 char Cart;   // To Know the Data members out of the program

 Audio()// Constructor to initilse the data members with an initial Value
 {
  Cart = 'N';
  strcpy( Brand , "Not Assigned Yet" );
  strcpy( Type , "Not Assigned Yet" );
  strcpy( Name , "Not Assigned Yet" );
  strcpy( Details , "Not Assigned Yet" );
  Price = 0.0 ;
  Pcode = 0 ;
 }

 int PutPcodeAudio()
 {
        return Pcode; // Accesor function to return the Value of the Pcode
 }

 float PutPriceAudio()
 {
        return Price; // Accesor function to return the Value of the Price
 }

 void GetAudio(); // Member function to read data

 void PutAudio(); // Member function to show data

};

void Audio :: GetAudio()// Member fuction to Get the data From the user interface
{
 clrscr();
 cout<<"\nEnter the Product code of the item ";
 cin>>Pcode;
```

```
 cout<<"\nEnter the Brand of the item ";
 gets(Brand);
 cout<<"\nEnter the Name of the item ";
 gets(Name);
 cout<<"\nEnter the Type of the item ";
 gets(Type);
 cout<<"\nEnter the Details of the item ";
 gets(Details);
 cout<<"\nEnter the Price of the item ";
 cin>>Price;

 return;
}

void Audio :: PutAudio()// Member fuction to Show the data From the user
interface
{
 cout<<"\n\nThe Product code of the item is "<<Pcode;
 cout<<"\n\nThe Brand of the item is ";
 puts(Brand);
 cout<<"\nThe Name of the item is ";
 puts(Name);
 cout<<"\nThe Type of the item is ";
 puts(Type);
 cout<<"\nThe Details of the item is ";
 puts(Details);
 cout<<"\nThe Price of the item is "<<Price;

 return;
}
                                                    //End of Audio players

                                                    //start of Computer
components
class ComputerComp
```

```
{
 private:

 char Name[30] , Type[20] ,  Details[100];
 int Pcode;   // Characteristics of the Computer components
 float Price;

 public:

 char Cart;   // To Know the Data members out of the program
 char Brand[20] ;

 ComputerComp()// Constructor to initilse the data members with an initial Value
 {
  strcpy( Name , "Not Assigned Yet" );
  strcpy( Type , "Not Assigned Yet" );
  strcpy( Brand , "Not Assigned Yet" );
  strcpy( Details , "Not Assigned Yet" );
  Pcode = 0 ;
  Cart = 'N';
  Price = 0.0 ;
 }

 int PutPcodeComputerComp()
 {
        return Pcode; // Accesor function to return the Value of the Pcode
 }

 float PutPriceComputerComp()
 {
        return Price; // Accesor function to return the Value of the Price
 }

 void GetComputerComp(); // Member function to read data
```

```
 void PutComputerComp();  // Member function to show data

};

void ComputerComp :: GetComputerComp()// Member fuction to Get the data
From the user interface
{
 clrscr();
 cout<<"\nEnter the Product code of the item ";
 cin>>Pcode;
 cout<<"\nEnter the Brand of the item ";
 gets(Brand);
 cout<<"\nEnter the Name of the item ";
 gets(Name);
 cout<<"\nEnter the Type of the item ";
 gets(Type);
 cout<<"\nEnter the Detalis of the item ";
 gets(Details);
 cout<<"\nEnter the price of the item ";
 cin>>Price;

 return;

}

void ComputerComp :: PutComputerComp()// Member fuction to Show the data
From the user interface
{
 cout<<"\nThe Product code of the item is "<<Pcode;
 cout<<"\n\nThe Brand of the item is ";
 puts(Brand);
 cout<<"\n\nThe Name of the item is ";
 puts(Name);
 cout<<"\n\nThe Type of the item is ";
 puts(Type);
```

```
 cout<<"\n\nThe Detalis of the item is ";
 puts(Details);
 cout<<"\n\nThe price of the item is "<<Price;

 return;

}
                                                    // End of computer components
                                                              //start of Tab Accessories
class TabletsAcc
{
 private:

 char Name[30] , Details[50];
 int Pcode; // Characteristics of the Tab Accessories
 float Price;

 public:

 char Brand[20];
 char Cart;   // To Know the Data members out of the program

 TabletsAcc()// Constructor to initilse the data members with an initial Value
 {
  strcpy( Name , "Not Assigned Yet" );
  strcpy( Brand , "Not Assigned Yet" );
  strcpy( Details , "Not Assigned Yet" );
  Pcode = 0;
  Cart = 'N';
  Price = 0.0 ;
 }

 int PutPcodeTabletsAcc()
 {
        return Pcode;    // Accesor function to return the Value of the Pcode
```

```
 }

 float PutPriceTabletsAcc()
 {
        return Price;  // Accesor function to return the Value of the Price
 }

 void GetTabletsAcc(); // Member function to read data

 void PutTabletsAcc(); // Member function to show data

};

void TabletsAcc :: GetTabletsAcc() // Member fuction to Get the data From the user
interface
{
 clrscr();

 cout<<"\nEnter the product code of the item ";
 cin>>Pcode;
 cout<<"\nEnter the Brand of the item ";
 gets(Brand);
 cout<<"\nEnter the Name of the item ";
 gets(Name);
 cout<<"\nEnter the Details of the item ";
 gets(Details);
 cout<<"\nEnter the Price of the item ";
 cin>>Price;

 return;

}

void TabletsAcc :: PutTabletsAcc() // Member fuction to Show the data From the
user interface
```

```
{


 cout<<"\n\nThe product code of the item  is "<<Pcode;
 cout<<"\n\nThe Brand of the item is ";
 puts(Brand);
 cout<<"\n\nThe Name of the item is ";
 puts(Name);
 cout<<"\n\nThe Details of the item is ";
 puts(Details);
 cout<<"\n\nThe Price of the item is "<<Price;

 return;

}
                                                        //End of Tab Accc
                                                  //Start of Tv and acc
class Tv
{
 private:

 char Name[30] , Details[50] , Type[20];
 int Pcode; // Characteristics of the Tv and acc
 float Price;

 public:

 char Cart; // To Know the Data members out of the program
 char Brand[20];

 Tv() // Constructor to initilse the data members with an initial Value
 {
  strcpy( Name , "Not Assigned Yet" );
  strcpy( Brand , "Not Assigned Yet" );
  strcpy( Details , "Not Assigned Yet" );
```

```
 strcpy( Type , "Not Assigned Yet" );
 Pcode = 0 ;
 Cart = 'N';
 Price = 0.0 ;
}

int PutPcodeTv()
{
      return Pcode;// Accesor function to return the Value of the Pcode
}

float PutPriceTv()
{
      return Price;// Accesor function to return the Value of the Price
}

void GetTv();// Member function to read data

void PutTv();// Member function to show data

};

void Tv :: GetTv() // Member fuction to Get the data From the user interface
{
 clrscr();

 cout<<"\nEnter the Product code of the item ";
 cin>>Pcode;
 cout<<"\nEnter the Brand of the item ";
 gets(Brand);
 cout<<"\nEnter the Type of the item ";
 gets(Type);
 cout<<"\nEnter the Name of the item ";
 gets(Name);
 cout<<"\nEnter the Details of the item ";
```

```
 gets(Details);
 cout<<"\nEnter the Price of the item ";
 cin>>Price;

 return;

}

void Tv :: PutTv()// Member fuction to Show the data From the user interface
{
 cout<<"\n\nThe Product code of the item is "<<Pcode;
 cout<<"\n\nThe Brand of the item is ";
 puts(Brand);
 cout<<"\n\nThe Type of the item is ";
 puts(Type);
 cout<<"\n\nThe Name of the item is ";
 puts(Name);
 cout<<"\n\nThe Details of the item is ";
 puts(Details);
 cout<<"\n\nThe Price of the item is "<<Price;

 return;

}
                                                        //End of Tv and acc
                                                    //start of video players
class VideoPl
{
 private:

 char Type[20] , Name[20] , Details[50];
 int Pcode;  // Characteristics of the video players
 float Price;

 public:
```

```
char Cart;   // To Know the Data members out of the program
char Brand[20];

VideoPl()// Constructor to initilse the data members with an initial Value
{
 strcpy( Brand , "Not Assigned Yet" );
 strcpy( Type , "Not Assigned Yet" );
 strcpy( Name , "Not Assigned Yet" );
 strcpy( Details , "Not Assigned Yet" );
 Pcode = 0 ;
 Cart = 'N';
 Price = 0.0 ;
}

int PutPcodeVideoPl()
{
        return Pcode;// Accesor function to return the Value of the Pcode
}

float PutPriceVideoPl()
{
        return Price;// Accesor function to return the Value of the Price
}

void GetVideoPl();// Member function to read data

void PutVideoPl();// Member function to show data

};

void VideoPl :: GetVideoPl()// Member fuction to Get the data From the user
interface
{
 clrscr();
```

```
 cout<<"\nEnter the Product code of the item ";
 cin>>Pcode;
 cout<<"\nEnter the Brand of the item ";
 gets(Brand);
 cout<<"\nEnter the Type of the item ";
 gets(Type);
 cout<<"\nEnter the Name of the item ";
 gets(Name);
 cout<<"\nEnter the Details of the item \n";
 gets(Details);
 cout<<"\nEnter the price of the item ";
 cin>>Price;

 return;

}

void VideoPl :: PutVideoPl()// Member fuction to Show the data From the user
interface
{
 cout<<"\n\nThe Product code of the item is "<<Pcode;
 cout<<"\n\nThe Brand of the item is ";
 puts(Brand);
 cout<<"\n\nThe Type of the item is ";
 puts(Type);
 cout<<"\n\nThe Name of the item is ";
 puts(Name);
 cout<<"\n\nThe Details of the item is ";
 puts(Details);
 cout<<"\n\nThe price of the item is "<<Price;

 return;

}
```

```
// End of Video players


//*************************************************************************
*************
//                Objects USED IN PROJECT
//*************************************************************************
**************

 LaptopAcc LACC[10] , Lacc1;

 Tablets TB[10], Tb1;

 Network NW[10], Nw1;

 Laptops LP[10], Lp1;

 Desktop DX[10], Dx1;

 ComputerPeri CP[10], Cp1;

 Software SF[10], Sf1;

 Audio AU[10], Au1;

 ComputerComp CC[10], Cc1;;

 TabletsAcc TACC[10], Tacc1;

 Tv TV[10], Tv1;

 VideoPl VP[10], Vp1;
```

```
//*************************************************************************
***********
//              Functions USED IN PROJECT
//*************************************************************************
***********

void Introducion() // To View the interface and the introduction to the project
{                  // and its topic
  clrscr();   //For clear screen

  cout << setw(53) << "Computer Science Project" << "\n\n\n\n\n\n\n\n\n\n" ;
  cout << setw(53) << "Topic : Computer shop\n" ;
  cout << "\n\n\n\n\n\n\n\n\n\n\n" ;
  cout << setw(82) << "Nikhil Mahesh Patel \n" ;
  cout << setw(79) << "Studing in 11th B\n" ;
  cout << setw(78) << "Roll number 20\n" ;

  getch();   //To pause the Running Program

}

int Index() // To show the user the categories of the product available in the shop
{
  int ch;
  clrscr();   //For clear screen

  cout<<"\n******************************** Computer Shop
******************************** \n\n";
  cout<<"\n    1.  Laptop Comuters";
  cout<<"\n    2.  Laptop Accessories";
  cout<<"\n    3.  Tablets";
  cout<<"\n    4.  Network components";
  cout<<"\n    5.  All-in-one Desktops";
  cout<<"\n    6.  Computer Peripherals";
  cout<<"\n    7.  Software";
```

```
 cout<<"\n   8.  Computer Components";
 cout<<"\n   9.  Tablet Accessories";
 cout<<"\n   10.  Audio Players";
 cout<<"\n   11.  Video Playes";
 cout<<"\n   12.  Tv & Video Accessories";
 cout<<"\n   13.  Billing  ";
 cout<<"\n   14.  Administrator";
 cout<<"\n   15.  Exit";

 cout<<"\n\n Please Enter Your choice (1-15):";
 cin>>ch;

 return ch;  // return the value to the fuction
}


// Initialise Objects is a fuction which reads the bock of the data and store it in
object
// from the file Existing

void InitialiseObjects()
{
 int i = 0;

 ifstream fin;

 fin.open("Tablets.dat" , ios::in|ios::binary );  // To read data

 while ( !fin.eof() )
 {
  fin.read( (char*)&TB[i] , sizeof(TB[i]) );  // To read data
  i++;
 }

 fin.close();
```

```
i = 0;
fin.open("LaptopAccessories.dat" , ios::in|ios::binary );   // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&LACC[i] , sizeof(LACC[i]) );    // To read data
 i++;
}

fin.close();
i = 0;
fin.open("Software.dat" , ios::in|ios::binary );  // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&SF[i] , sizeof(SF[i]) );  // To read data
 i++;
}

fin.close();
i = 0;
fin.open("Network.dat" , ios::in|ios::binary );    // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&NW[i] , sizeof(NW[i]) );      // To read data
 i++;
}

fin.close();
i = 0;
fin.open("Laptops.dat" , ios::in|ios::binary );    // To read data

while ( !fin.eof() )
{
```

```
 fin.read( (char*)&LP[i] , sizeof(LP[i]) );      // To read data
 i++;
}

fin.close();
i = 0;
fin.open("Desktop.dat" , ios::in|ios::binary );    // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&DX[i] , sizeof(DX[i]) );    // To read data
 i++;
}

fin.close();
i = 0;
fin.open("CompPeri.dat" , ios::in|ios::binary );   // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&CP[i] , sizeof(CP[i]) );   // To read data
 i++;
}

fin.close();
i = 0;
fin.open("AudioAccessories.dat" , ios::in|ios::binary );  // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&AU[i] , sizeof(AU[i]) );    // To read data
 i++;
}

fin.close();
```

```
i = 0;
fin.open("CompCom.dat" , ios::in|ios::binary );   // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&CC[i] , sizeof(CC[i]) );   // To read data
 i++;
}

fin.close();
i = 0;
fin.open("TabletAccessories.dat" , ios::in|ios::binary );   // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&TACC[i] , sizeof(TACC[i]) );    // To read data
 i++;
}

fin.close();
i = 0;
fin.open("TvAccesories.dat" , ios::in|ios::binary );  // To read data

while ( !fin.eof() )
{
 fin.read( (char*)&TV[i] , sizeof(TV[i]) );    // To read data
 i++;
}

fin.close();
i = 0;
fin.open("VideoPlayers.dat" , ios::in|ios::binary );   // To read data

while ( !fin.eof() )
{
```

```
 fin.read( (char*)&VP[i] , sizeof(VP[i]) );     // To read data
 i++;
}

 fin.close();

}

// Exit is a fuction which is called whenever the user is closing the program
void Exit()
{
 clrscr();

 cout<<"\nHope you Enjoy Shopping With Us ";
 cout<<"\n\n\n\n\n\n\n\n\n\n\n";
 cout<<setw(53)<<"T H A N K  Y O U ";

 exit(0); // Used form the header file process.h
}

// This LaptopComuters() Are the function to create an interface for the user to
select the
// appropriate comands to buy the product or to reject it

void LaptopComuters()
{
 clrscr();

 int i = 0;
 char ch;

 while( strcmp ( LP[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( LP[i].Brand );
```

```
 i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 LP[i].PutLaptops();
 cout<<"\nDo you Want to Buy This Laptop Computer(Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  LP[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This LaptopAccessories() Are the function to create an interface for the user to
select the
// appropriate comands to buy the product or to reject it


void LaptopAccessories()
{
 clrscr();

 int i = 0;
 char ch;

 while( strcmp ( LACC[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( LACC[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
```

```
 cin>>i;
 i -= 1;
 LACC[i].PutLaptopAcc();
 cout<<"\nDo you Want to Buy This Laptop Accesories (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  LACC[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This Tablets() Are the function to create an interface for the user to select the
// appropriate comands to buy the product or to reject it


void Tablets()
{
 clrscr();

 int i = 0;
 char ch;

 while( strcmp ( TB[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( TB[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 TB[i].PutTablets();
 cout<<"\nDo you Want to Buy This Tablet (Y / N) ";
 cin>>ch;
```

```
 if( ch == 'Y' || ch == 'y' )
  TB[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This Networkcomponents() Are the function to create an interface for the user to
select the
// appropriate comands to buy the product or to reject it


void Networkcomponents()
{

 clrscr();
 int i = 0;
 char ch;

 while( strcmp ( NW[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( NW[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 NW[i].PutNetwork();
 cout<<"\nDo you Want to Buy This Network Components (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  NW[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";
```

```
}

// This AllinoneDesktops() Are the function to create an interface for the user to
select the
// appropriate comands to buy the product or to reject it


void AllinoneDesktops()
{

 clrscr();
 int i = 0;
 char ch;

 while( strcmp ( DX[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( DX[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 DX[i].PutDesktop();
 cout<<"\nDo you Want to Buy This Desktop Computer(Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  DX[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This ComputerPeripherals() Are the function to create an interface for the user
to select the
```

```
// appropriate comands to buy the product or to reject it


void ComputerPeripherals()
{

 clrscr();

 int i = 0;
 char ch;

 while( strcmp ( CP[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( CP[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 CP[i].PutComputerPeri();
 cout<<"\nDo you Want to Buy This Computer Peripherals (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  CP[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This Software() Are the function to create an interface for the user to select the
// appropriate comands to buy the product or to reject it


void Software()
```

```
{
 clrscr();

 int i = 0;
 char ch;

 while( strcmp ( SF[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( SF[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 SF[i].PutSoftware();
 cout<<"\nDo you Want to Buy This SOftware (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  SF[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This ComputerComponents() Are the function to create an interface for the user
to select the
// appropriate comands to buy the product or to reject it


void ComputerComponents()
{
 clrscr();

 int i = 0;
```

```
 char ch;

 while( strcmp ( CC[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( CC[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 CC[i].PutComputerComp();
 cout<<"\nDo you Want to Buy This Computer Components (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  CC[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This TabletAccessories() Are the function to create an interface for the user to
select the
// appropriate comands to buy the product or to reject it


void TabletAccessories()
{

 clrscr();
 int i = 0;
 char ch;

 while( strcmp ( TACC[i].Brand , "Not Assigned Yet" ) )
 {
```

```
 cout<<"\n  "<<(i+1)<<"   ";
 puts( TACC[i].Brand );
 i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 TACC[i].PutTabletsAcc();
 cout<<"\nDo you Want to Buy This Tablet Accessories(Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  TACC[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This AudioPlayers() Are the function to create an interface for the user to select
the
// appropriate comands to buy the product or to reject it


void AudioPlayers()
{
 clrscr();

 int i = 0;
 char ch;

 while( strcmp ( AU[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( AU[i].Brand );
  i++;
 }
```

```
 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 AU[i].PutAudio();
 cout<<"\nDo you Want to Buy This Audio Players (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  AU[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This VideoPlayes() Are the function to create an interface for the user to select
the
// appropriate comands to buy the product or to reject it


void VideoPlayes()
{
 clrscr();

 int i = 0;
 char ch;

 while( strcmp ( VP[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( VP[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
```

```
 VP[i].PutVideoPl();
 cout<<"\nDo you Want to Buy This Video Players (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
  VP[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}

// This TvVideoAccessories() Are the function to create an interface for the user to
select the
// appropriate comands to buy the product or to reject it


void TvVideoAccessories()
{

 clrscr();
 int i = 0;
 char ch;

 while( strcmp ( TV[i].Brand , "Not Assigned Yet" ) )
 {
  cout<<"\n  "<<(i+1)<<"   ";
  puts( TV[i].Brand );
  i++;
 }

 cout<<"\nChose any Brand You Want to View ( 0 - "<<i<<" ) : ";
 cin>>i;
 i -= 1;
 TV[i].PutTv();
 cout<<"\nDo you Want to Buy This Accessories (Y / N) ";
 cin>>ch;
 if( ch == 'Y' || ch == 'y' )
```

```
 TV[i].Cart = 'Y' ;
 cout<<"\n\n\nThank you for Shopping";

}


// This is the billing Process where the program calculates the total bill and
// this is stored in the file near the progran
// the basic logic behind the billing is the Value of the Cart on the time of the
execution
// is the vale of the cart is changed to Y then the Product is added to the billing
process

void Billing()        // billling
{
 ofstream fout;
 int k ;
 clrscr();
 char Name[30];
 cout<<"\nEnter Your Name to be printed in the bill \n";
 gets(Name);

 // to store the Softcopy of the Bill generated during the program Billing
 // It store the file in the location nearer the program code Exist

 fout.open( "Computerbill.txt" , ios::out );

fout<<"\n**********************************************************************
************ ";
 fout<<"\n                    XXXXX  computer shop ";
 fout<<"\n                    TiruXXXX Enterprices  ";
 fout<<"\n          (Delears in computer hardware and peripherials)";
 fout<<"\n          Email XXXXtirupaticomp@gmail.com ";
 fout<<"\n\n                                        ADDRESS :";
 fout<<"\n                                        154 road  ";
```

```
fout<<"\n                                        Pre building ";
fout<<"\n                                       Ph:987788XXXX ";
fout<<"\n                                        998723XXXX ";
fout<<"\n                                        02555624XXXX  ";
fout<<"\n\n Products :   ";
fout<<"\n                                  __ __     __ __    __ __ __ __  ";
fout<<"\n                          Date : |__|__| /  |__|__| / |__|__||__|__| ";
fout<<"\n\n M/s. ";
for( k=0 ; Name[k]!='\0' ; ++k )
 fout<<Name[k];
fout<<"\n\n\tSr.no"<<"\t\t\tBrand"<<"\t\t\tPrice";

clrscr();
int j , i;
double Price = 0 ;
float temp;
cout<<"\n\nYou have Listed to buy below the following item \n";

// Depending upon the value of the Cart the item is added to the bill
// if the cart was found Y during the loop then it is added to the
// billing secton and the object returns the price of the item using an
// Accesor function called GetPrice()
// it also prints the data in to the file to have a benifit of the soft copy

for( i = 0 , j = 0 ; i < 12 ;  )
{
 if( LP[(i-1)].Cart == 'Y' || LP[(i-1)].Cart == 'y'  )
 {
        j++;
        cout<<" "<<(j)<<"   ";
        puts( LP[(i-1)].Brand );
        fout<<"\n\n\t("<<j<<").";
        fout<<"\t\t\t";
        for( k=0 ; LP[(i-1)].Brand[k]!='\0' ; ++k )
         fout<<LP[(i-1)].Brand[k];
```

```
        temp =LP[(i-1)].PutPriceLaptops();
        fout<<"\t\t\t"<<temp;
        Price += LP[(i-1)].PutPriceLaptops();

}

if( LACC[(i-1)].Cart =='Y' || LACC[(i-1)].Cart =='y' )
{
        j++;
        cout<<" "<<(j)<<"   ";
        puts( LACC[(i-1)].Brand );
        fout<<"\n\n\t("<<j<<").";
        fout<<"\t\t\t";
        for( k=0 ; LACC[(i-1)].Brand[k]!='\0' ; ++k )
         fout<<LACC[(i-1)].Brand[k];
        temp =LACC[(i-1)].PutPriceLaptopAcc();
        fout<<"\t\t\t"<<temp;
        Price += LACC[(i-1)].PutPriceLaptopAcc();
}

if( TB[(i-1)].Cart == 'Y' || TB[(i-1)].Cart == 'y')
{
        j++;
        cout<<" "<<(j)<<"   ";
        puts( TB[(i-1)].Brand );
        fout<<"\n\n\t("<<j<<").";
        fout<<"\t\t\t";
        for( k=0 ; TB[(i-1)].Brand[k]!='\0' ; ++k )
         fout<<TB[(i-1)].Brand[k];
        temp =TB[(i-1)].PutPriceTablets();
        fout<<"\t\t\t"<<temp;

        Price += TB[(i-1)].PutPriceTablets();
}
```

```
if( NW[(i-1)].Cart == 'Y' || NW[(i-1)].Cart == 'y')
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( NW[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; NW[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<NW[(i-1)].Brand[k];
	temp =NW[(i-1)].PutPriceNetwork();
	fout<<"\t\t\t"<<temp;

	Price += NW[(i-1)].PutPriceNetwork();
}

if( DX[(i-1)].Cart == 'Y' ||  DX[(i-1)].Cart == 'y')
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( DX[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; DX[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<DX[(i-1)].Brand[k];
	temp = DX[(i-1)].PutPriceDesktop();
	fout<<"\t\t\t"<<temp;

	Price += DX[(i-1)].PutPriceDesktop();
}

if( CP[(i-1)].Cart == 'Y' ||  CP[i].Cart == 'y' )
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( CP[(i-1)].Brand );
```

```
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; CP[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<CP[(i-1)].Brand[k];
	temp =CP[(i-1)].PutPriceComputerPeri();
	fout<<"\t\t\t"<<temp;

	Price += CP[(i-1)].PutPriceComputerPeri();
}

if( SF[(i-1)].Cart == 'Y' || SF[(i-1)].Cart == 'y')
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( SF[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; SF[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<SF[(i-1)].Brand[k];
	temp =SF[(i-1)].PutPriceSoftware();
	fout<<"\t\t"<<temp;

	Price += SF[(i-1)].PutPriceSoftware();
}

if( CC[(i-1)].Cart == 'Y' || CC[(i-1)].Cart == 'y'  )
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( CC[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; CC[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<CC[(i-1)].Brand[k];
	temp =CC[(i-1)].PutPriceComputerComp();
```

```
	fout<<"\t\t\t"<<temp;

Price += CC[(i-1)].PutPriceComputerComp();
}

if( TACC[(i-1)].Cart == 'Y' || TACC[(i-1)].Cart == 'y')
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( TACC[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; TACC[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<TACC[(i-1)].Brand[k];
	temp =TACC[(i-1)].PutPriceTabletsAcc();
	fout<<"\t\t\t"<<temp;

	Price += TACC[(i-1)].PutPriceTabletsAcc();
}

if( AU[(i-1)].Cart == 'Y' || AU[(i-1)].Cart == 'y')
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( AU[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; LACC[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<AU[(i-1)].Brand[k];
	temp =AU[(i-1)].PutPriceAudio();
	fout<<"\t\t\t"<<temp;

	Price += AU[(i-1)].PutPriceAudio();
}
```

```
if( VP[(i-1)].Cart == 'Y' || VP[(i-1)].Cart == 'y' )
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( VP[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; VP[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<VP[(i-1)].Brand[k];
	temp =VP[(i-1)].PutPriceVideoPl();
	fout<<"\t\t\t"<<temp;

	Price += VP[(i-1)].PutPriceVideoPl();
}

if( TV[(i-1)].Cart == 'Y' || TV[(i-1)].Cart == 'Y' )
{
	j++;
	cout<<" "<<(j)<<"   ";
	puts( TV[(i-1)].Brand );
	fout<<"\n\n\t("<<j<<").";
	fout<<"\t\t\t";
	for( k=0 ; TV[(i-1)].Brand[k]!='\0' ; ++k )
	 fout<<TV[(i-1)].Brand[k];
	temp =TV[(i-1)].PutPriceTv();
	fout<<"\t\t\t"<<temp;

	Price += TV[(i-1)].PutPriceTv();
}
i++;

}


fout<<"\n\n\t\t\t\t\t\t";
```

```
 fout<<"Grand Total bill is "<<Price;
 fout<<"\n              Thank you for shopping with us \n";

fout<<"\n**********************************************************************
************ ";
 fout.close();

 cout<<"\n Your Total Bill is  : "<<Price;
 cout<<"\nKindly Pay the Amount to the Counter";
 cout<<"\n\n\nThank you for Shopping";

 getch();

 exit(0);

}

// It is basically the Administrator menu wher the Employeee of the shop can alter
the
// data stored in the system
// It basically gives the user the freedom of creating new files and appinding the
new data
// inside the pre Existing file without loosing the old data
// it is a password proteted Section and the
// 8 digit Password : 12345678

void Administrator()
{

 clrscr();

 int flag = 0 ;
 char Pass[10];
 clrscr();
```

```
for( int i=0 ; i < 3 ; i++ )
{
 cout<<"\n Enter the 8 digit Password of the Shop ";
 gets( Pass );

 if( !strcmp( Pass , "12345678" ) )
        {
         flag=1;
         break;
        }
}

if( flag == 0 )
{
 cout<<"\nEntered the Wrong Password ";
 cout<<"\nThe Program is terminating now !!!!!!!!!!";
 exit(0);
}

else
{

clrscr();


int Ch ;
int Option;
cout<<"\n\nWelcome to the Administrator Menu to create new files ";
cout<<"\n\n  1.   Create New files ";
cout<<"\n\n  2.   Inserting Data ";
cout<<"\nEnter the option you want to Operate upon ";
cin>>Option;
cout<<"\n\n\n Chose The Option You Want To Perform ";
clrscr();
cout<<"\n    1.   Laptop Comuters";
```

```
cout<<"\n    2.  Laptop Accessories";
cout<<"\n    3.  Tablets";
cout<<"\n    4.  Network components";
cout<<"\n    5.  All-in-one Desktops";
cout<<"\n    6.  Computer Peripherals";
cout<<"\n    7.  Software";
cout<<"\n    8.  Computer Components";
cout<<"\n    9.  Tablet Accessories";
cout<<"\n    10.  Audio Players";
cout<<"\n    11.  Video Playes";
cout<<"\n    12.  Tv & Video Accessories";

cout<<"\nEnter the Category you want to operate upon ";
cin>>Ch;


if ( Option == 1 )
{

 // To create the new file and trunching the old file in trash
 // And Alloting the new data in the file

 ofstream fout;
 char ch;
 if ( Ch == 3 )
 {
       fout.open("Tablets.dat" , ios::out|ios::binary );
       Tb1;

       do
       {
        Tb1.GetTablets();
        fout.write( ( char* )&Tb1 , sizeof( Tb1 ) );
        cout<<"\nWant to enter more ( Y/N ) : ";
              cin>>ch;
```

```
        }while( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 2)
{
 fout.open("LaptopAccessories.dat" , ios::out|ios::binary );
 Lacc1;

 do
 {
        Lacc1.GetLaptopAcc();
        fout.write( (char*)&Lacc1 , sizeof(Lacc1) );
        cout<<"\nWant to enter more ( Y/N ) : ";
        cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 4 )
{
 fout.open("Network.dat" , ios::out|ios::binary );
 Nw1;

 do
 {
        Nw1.GetNetwork();
        fout.write( (char*)&Nw1 , sizeof(Nw1) );
        cout<<"\nWant to enter more ( Y/N ) : ";
        cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );
```

```
 fout.close();
}

else if( Ch == 1 )
{

fout.open("Laptops.dat" , ios::out|ios::binary );
Lp1;

do
{
 Lp1.GetLaptops();
 fout.write( (char*)&Lp1 , sizeof(Lp1) );
 cout<<"\nWant to enter more ( Y/N ) : ";
 cin>>ch;
}while ( ( ch == 'Y' ) || ( ch == 'y' ) );

fout.close();
}

else if( Ch == 5 )
{
 fout.open("Desktop.dat" , ios::out|ios::binary );
 Dx1;

 do
 {
       Dx1.GetDesktop();
       fout.write( (char*)&Dx1 , sizeof(Dx1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();
```

```
}

else if( Ch == 6 )
{
 fout.open("CompPeri.dat" , ios::out|ios::binary );
 Cp1;

 do
 {
       Cp1.GetComputerPeri();
       fout.write( (char*)&Cp1 , sizeof(Cp1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 7 )
{
 fout.open("Software.dat" , ios::out|ios::binary );
 Sf1;

 do
 {
       Sf1.GetSoftware();
       fout.write( (char*)&Sf1 , sizeof(Sf1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}
```

```
else if( Ch == 10 )
{
 fout.open("AudioAccessories.dat" , ios::out|ios::binary );
 Au1;

 do
 {
       Au1.GetAudio();
       fout.write( (char*)&Au1 , sizeof(Au1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 8 )
{
 fout.open("CompCom.dat" , ios::out|ios::binary );
 Cc1;

 do
 {
       Cc1.GetComputerComp();
       fout.write( (char*)&Cc1 , sizeof(Cc1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();
}

else if( Ch == 9 )
```

```
{
 fout.open("TabletAccessories.dat" , ios::out|ios::binary );
 Tacc1;

 do
 {
       Tacc1.GetTabletsAcc();
       fout.write( (char*)&Tacc1 , sizeof(Tacc1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();
}

else if( Ch == 12 )
{
 fout.open("TvAccesories.dat" , ios::out|ios::binary );
 Tv1;

 do
 {
       Tv1.GetTv();
       fout.write( (char*)&Tv1 , sizeof(Tv1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 11 )
{
 fout.open("VideoPlayers.dat" , ios::out|ios::binary );
```

```
 Vp1;

 do
 {
       Vp1.GetVideoPl();
       fout.write( (char*)&Vp1 , sizeof(Vp1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}
 //End of the Function Create

}



else if ( Option == 2)
{

 // To Append the new file to the old file
 // And Alloting the new data in the Pre existing  file

 ofstream fout;
 char ch;
if ( Ch == 3 )
{
 fout.open("Tablets.dat" , ios::app|ios::binary );
 Tb1;

 do
 {
       Tb1.GetTablets();
```

```
        fout.write( ( char* )&Tb1 , sizeof( Tb1 ) );
        cout<<"\nWant to enter more ( Y/N ) : ";
        cin>>ch;
 }while( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 2)
{
 fout.open("LaptopAccessories.dat" , ios::app|ios::binary );
 Lacc1;

 do
 {
        Lacc1.GetLaptopAcc();
        fout.write( (char*)&Lacc1 , sizeof(Lacc1) );
        cout<<"\nWant to enter more ( Y/N ) : ";
        cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 4 )
{
 fout.open("Network.dat" , ios::app|ios::binary );
 Nw1;

 do
 {
        Nw1.GetNetwork();
        fout.write( (char*)&Nw1 , sizeof(Nw1) );
```

```
        cout<<"\nWant to enter more ( Y/N ) : ";
        cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();
}

else if( Ch == 1 )
{

fout.open("Laptops.dat" , ios::app|ios::binary );
Lp1;

do
{
 Lp1.GetLaptops();
 fout.write( (char*)&Lp1 , sizeof(Lp1) );
 cout<<"\nWant to enter more ( Y/N ) : ";
 cin>>ch;
}while ( ( ch == 'Y' ) || ( ch == 'y' ) );

fout.close();

}

else if( Ch == 5 )
{
 fout.open("Desktop.dat" , ios::app|ios::binary );
 Dx1;

 do
 {
        Dx1.GetDesktop();
        fout.write( (char*)&Dx1 , sizeof(Dx1) );
        cout<<"\nWant to enter more ( Y/N ) : ";
```

```
        cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 6 )
{
 fout.open("CompPeri.dat" , ios::app|ios::binary );
 Cp1;

 do
 {
        Cp1.GetComputerPeri();
        fout.write( (char*)&Cp1 , sizeof(Cp1) );
        cout<<"\nWant to enter more ( Y/N ) : ";
        cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 7 )
{
 fout.open("Software.dat" , ios::app|ios::binary );
 Sf1;

 do
 {
        Sf1.GetSoftware();
        fout.write( (char*)&Sf1 , sizeof(Sf1) );
        cout<<"\nWant to enter more ( Y/N ) : ";
        cin>>ch;
```

```
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}
else if( Ch == 10 )
{
 fout.open("AudioAccessories.dat" , ios::app|ios::binary );
 Au1;

 do
 {
       Au1.GetAudio();
       fout.write( (char*)&Au1 , sizeof(Au1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

}

else if( Ch == 8 )
{
 fout.open("CompCom.dat" , ios::app|ios::binary );
 Cc1;
 do
 {
       Cc1.GetComputerComp();
       fout.write( (char*)&Cc1 , sizeof(Cc1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();
```

```
}

else if( Ch == 9 )
{
 fout.open("TabletAccessories.dat" , ios::app|ios::binary );
 Tacc1;

 do
 {
       Tacc1.GetTabletsAcc();
       fout.write( (char*)&Tacc1 , sizeof(Tacc1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();
}

else if( Ch == 12 )
{
 fout.open("TvAccesories.dat" , ios::app|ios::binary );
 Tv1;

 do
 {
       Tv1.GetTv();
       fout.write( (char*)&Tv1 , sizeof(Tv1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();
}

else if( Ch == 11 )
```

```
{
 fout.open("VideoPlayers.dat" , ios::app|ios::binary );
 Vp1;

 do
 {
       Vp1.GetVideoPl();
       fout.write( (char*)&Vp1 , sizeof(Vp1) );
       cout<<"\nWant to enter more ( Y/N ) : ";
       cin>>ch;
 }while ( ( ch == 'Y' ) || ( ch == 'y' ) );

 fout.close();

 }
 //End of the Function ADDD

 }

 }
}

// Function Files to create new files if the files do not exist intially
// if the file exits the it just checks for the existance of the files
// Otherwise it will give us Error giving file doesnt exist

void Files()
{
 ofstream fout;
 ifstream fin;

 fin.open( "Tablets.dat" , ios::in|ios::binary );
 if( !fin )
       {
        fout.open( "Tablets.dat" , ios::out|ios::binary );
```

```
        fout.close();
       }
fin.close();

fin.open( "LaptopAccessories.dat" , ios::in|ios::binary );
if( !fin )
       {
        fout.open( "LaptopAccessories.dat" , ios::out|ios::binary );
        fout.close();
       }
fin.close();

fin.open( "Software.dat" , ios::in|ios::binary );
if( !fin )
       {
        fout.open( "Software.dat" , ios::out|ios::binary );
        fout.close();
       }
fin.close();

fin.open( "Network.dat" , ios::in|ios::binary );
if( !fin )
       {
        fout.open( "Network.dat" , ios::out|ios::binary );
        fout.close();
       }
fin.close();

fin.open( "Laptops.dat" , ios::in|ios::binary );
if( !fin )
       {
        fout.open( "Laptops.dat" , ios::out|ios::binary );
        fout.close();
       }
fin.close();
```

```
fin.open( "Desktop.dat" , ios::in|ios::binary );
if( !fin )
      {
       fout.open( "Desktop.dat" , ios::out|ios::binary );
       fout.close();
      }
fin.close();

fin.open( "CompPeri.dat" , ios::in|ios::binary );
if( !fin )
      {
       fout.open( "CompPeri.dat" , ios::out|ios::binary );
       fout.close();
      }
fin.close();

fin.open( "AudioAccessories.dat" , ios::in|ios::binary );
if( !fin )
      {
       fout.open( "AudioAccessories.dat" , ios::out|ios::binary );
       fout.close();
      }
fin.close();

fin.open( "CompCom.dat" , ios::in|ios::binary );
if( !fin )
      {
       fout.open( "CompCom.dat" , ios::out|ios::binary );
       fout.close();
      }
fin.close();

fin.open( "TabletAccessories.dat" , ios::in|ios::binary );
if( !fin )
```

```
        {
         fout.open( "TabletAccessories.dat" , ios::out|ios::binary );
         fout.close();
        }
  fin.close();

  fin.open( "TvAccesories.dat" , ios::in|ios::binary );
  if( !fin )
        {
         fout.open( "TvAccesories.dat" , ios::out|ios::binary );
         fout.close();
        }
  fin.close();

  fin.open( "VideoPlayers.dat" , ios::in|ios::binary );
  if( !fin )
        {
         fout.open( "VideoPlayers.dat" , ios::out|ios::binary );
         fout.close();
        }
  fin.close();

}




//*************************************************************************
***********
//              Main Function Body of the PROJECT
//*************************************************************************
***********
```

```
void main()
{
 Files();  // To  check and create the files for the program
 InitialiseObjects();  // To Initialise the objects of the differant classes
 clrscr();
 char Choice;
 Introducion(); // Introduction to the project
 index:

 Choice = Index(); // To recive the category to be operated upon

 switch( Choice ) // Switch between the choices
 {
  case 1 : LaptopComuters();
                    cout<<"\nDo You want to See more Products (Y/N) ";
                    cin>>Choice;
                    if( Choice == 'Y' || Choice == 'y' )
                          goto index;
                    else
                          Billing();
                    break;

  case 2 : LaptopAccessories();
                    cout<<"\nDo You want to See more Products (Y/N) ";
                    cin>>Choice;
                    if( Choice == 'Y' || Choice == 'y' )
                          goto index;
                    else
                          Billing();
                    break;

  case 3 : Tablets();
                    cout<<"\nDo You want to See more Products (Y/N) ";
                    cin>>Choice;
                    if( Choice == 'Y' || Choice == 'y' )
```

```
                goto index;
            else
                Billing();
            break;

case 4 : Networkcomponents();
            cout<<"\nDo You want to See more Products (Y/N) ";
            cin>>Choice;
            if( Choice == 'Y' || Choice == 'y' )
                goto index;
            else
                Billing();
            break;

case 5 : AllinoneDesktops();
            cout<<"\nDo You want to See more Products (Y/N) ";
            cin>>Choice;
            if( Choice == 'Y' || Choice == 'y' )
                goto index;
            else
                Exit();
            break;

case 6 : ComputerPeripherals();
            cout<<"\nDo You want to See more Products (Y/N) ";
            cin>>Choice;
            if( Choice == 'Y' || Choice == 'y' )
                goto index;
            else
                Billing();
            break;

case 7 : Software();
            cout<<"\nDo You want to See more Products (Y/N) ";
            cin>>Choice;
```

```
                if( Choice == 'Y' || Choice == 'y' )
                    goto index;
                else
                    Billing();
                break;

case 8 : ComputerComponents();
                cout<<"\nDo You want to See more Products (Y/N) ";
                cin>>Choice;
                if( Choice == 'Y' || Choice == 'y' )
                    goto index;
                else
                    Billing();
                break;

case 9 : TabletAccessories();
                cout<<"\nDo You want to See more Products (Y/N) ";
                cin>>Choice;
                if( Choice == 'Y' || Choice == 'y' )
                    goto index;
                else
                    Billing();
                break;

case 10 : AudioPlayers();
                cout<<"\nDo You want to See more Products (Y/N) ";
                cin>>Choice;
                if( Choice == 'Y' || Choice == 'y' )
                    goto index;
                else
                    Billing();
                break;

case 11 : VideoPlayes();
                cout<<"\nDo You want to See more Products (Y/N) ";
```

```
                cin>>Choice;
                if( Choice == 'Y' || Choice == 'y' )
                        goto index;
                else
                        Billing();
                break;

case 12 : TvVideoAccessories();
                cout<<"\nDo You want to See more Products (Y/N) ";
                cin>>Choice;
                if( Choice == 'Y' || Choice == 'y' )
                        goto index;
                else
                        Billing();
                break;

case 13 : Billing();

                break;

case 14 : Administrator();
                InitialiseObjects();
                cout<<"\nDo You want to Move to the main screen (Y/N) ";
                cin>>Choice;
                if( Choice == 'Y' || Choice == 'y' )
                        goto index;
                else
                        Exit();
                break;

case 15 :  Exit();

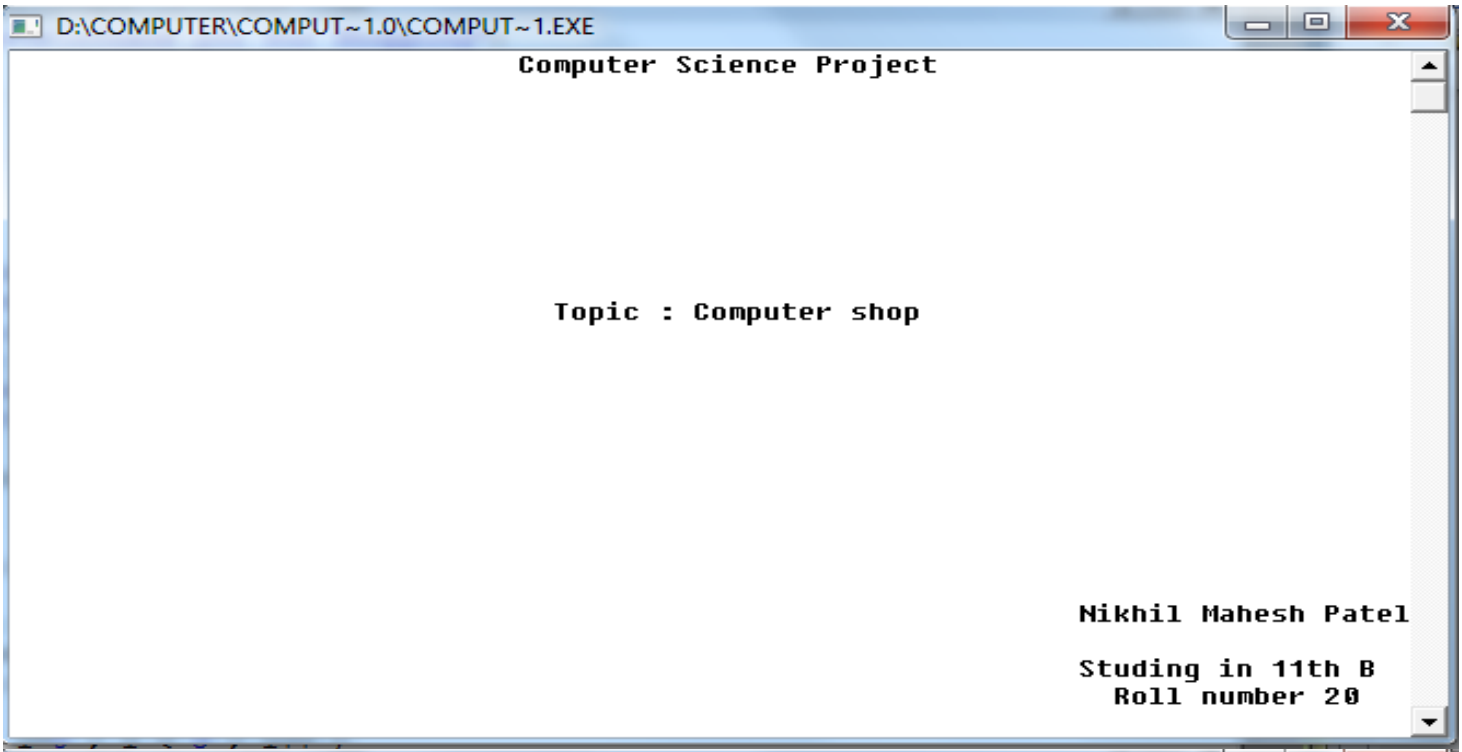
                break;

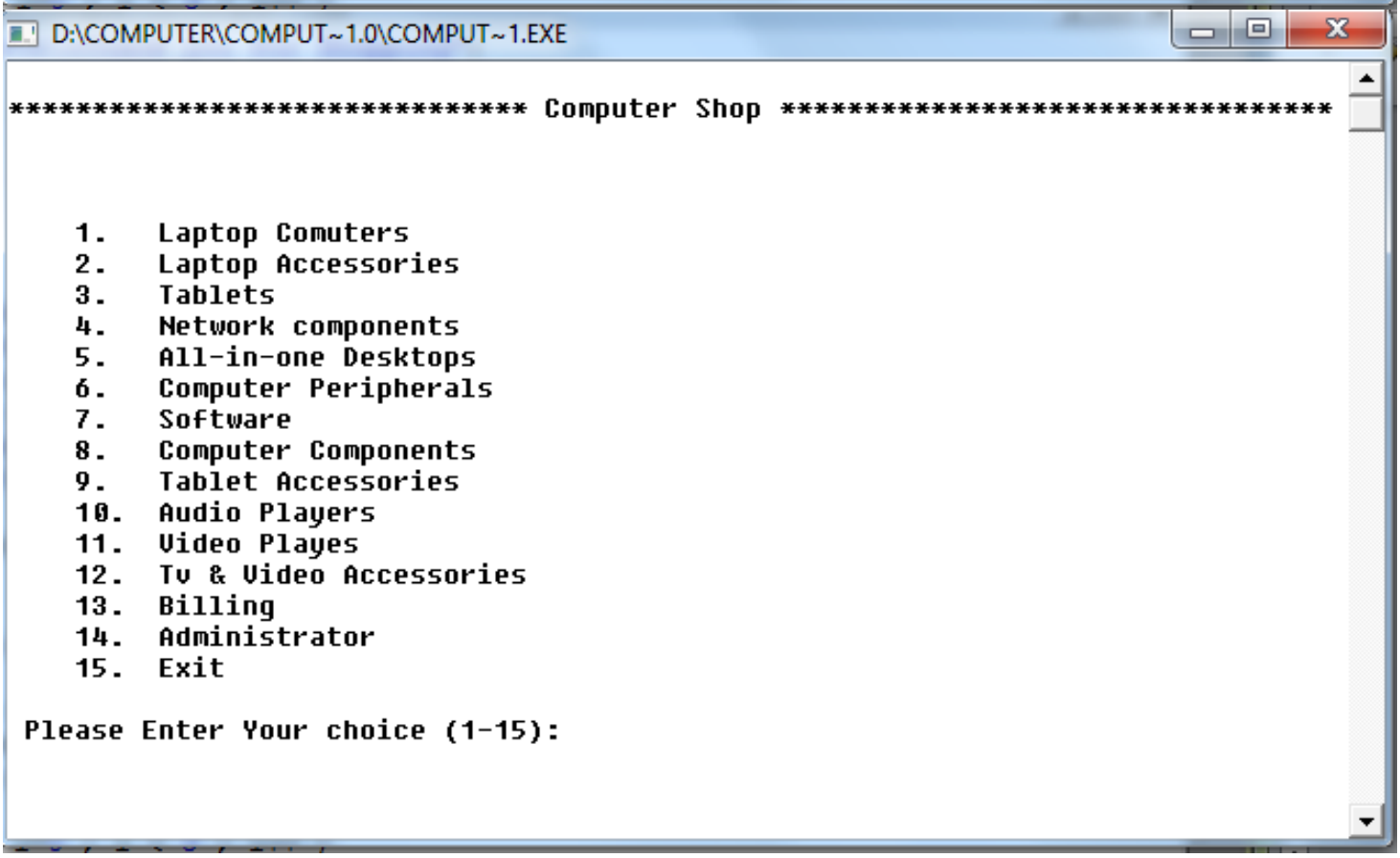
}
```

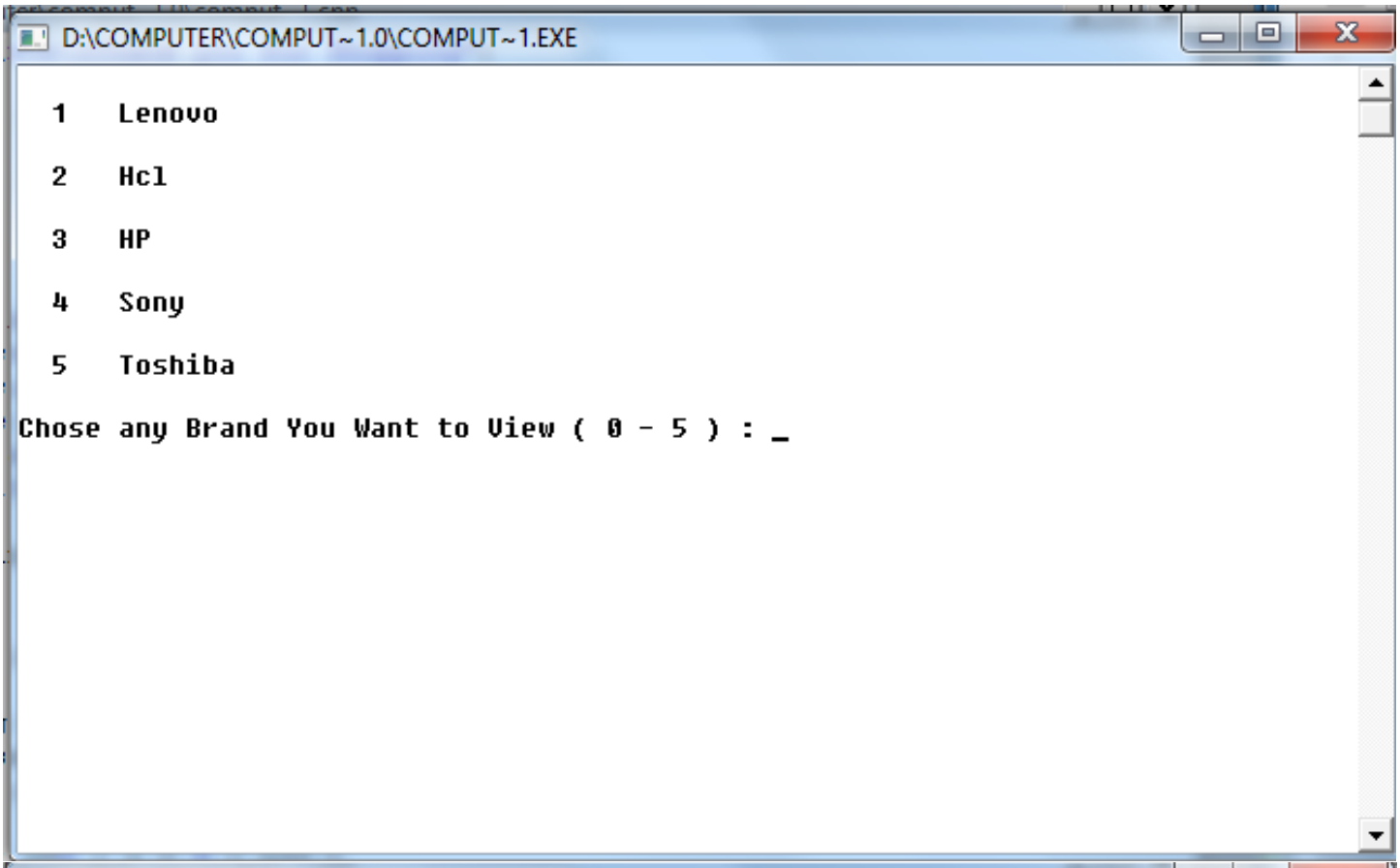
```
 getch();

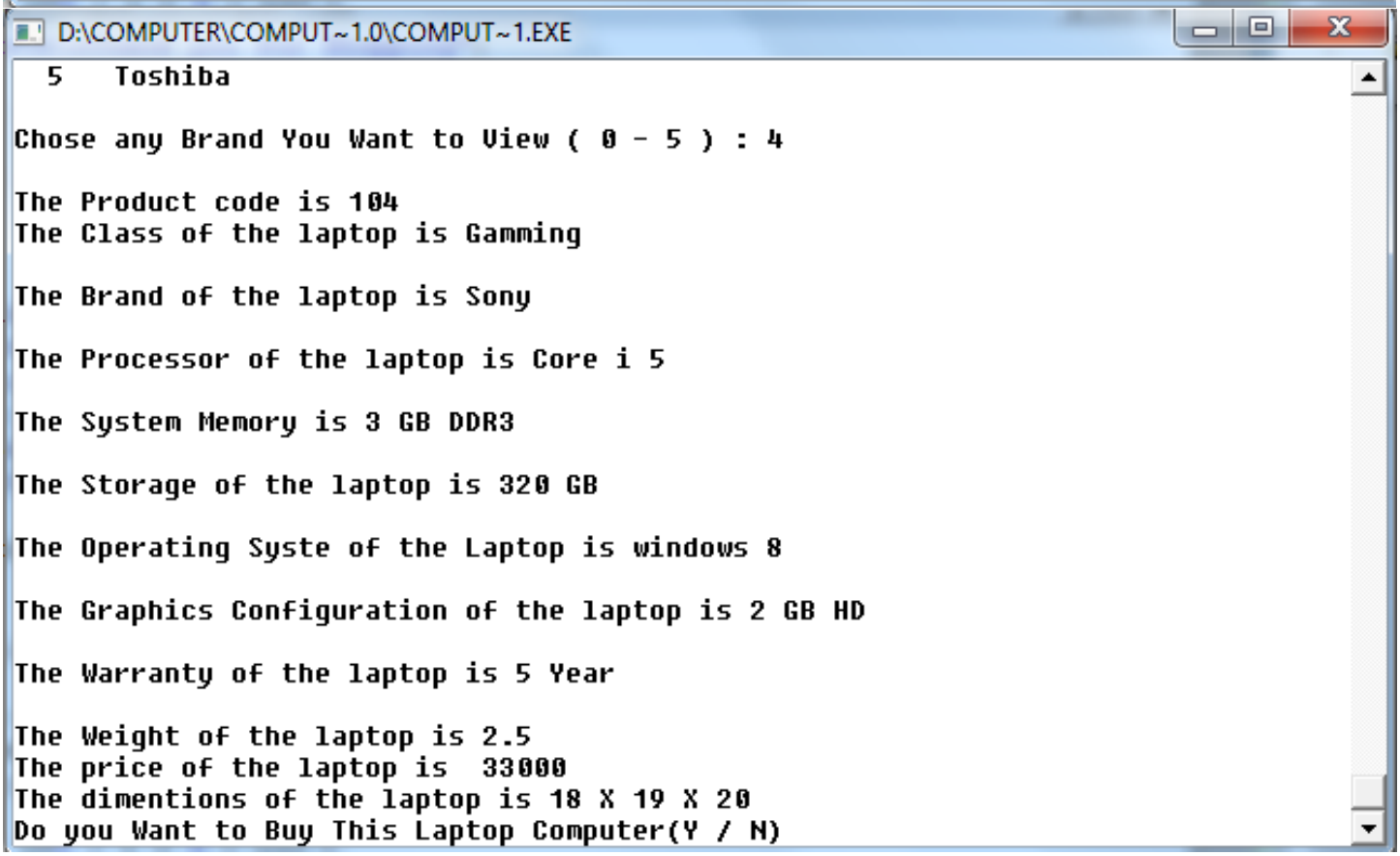
}
```

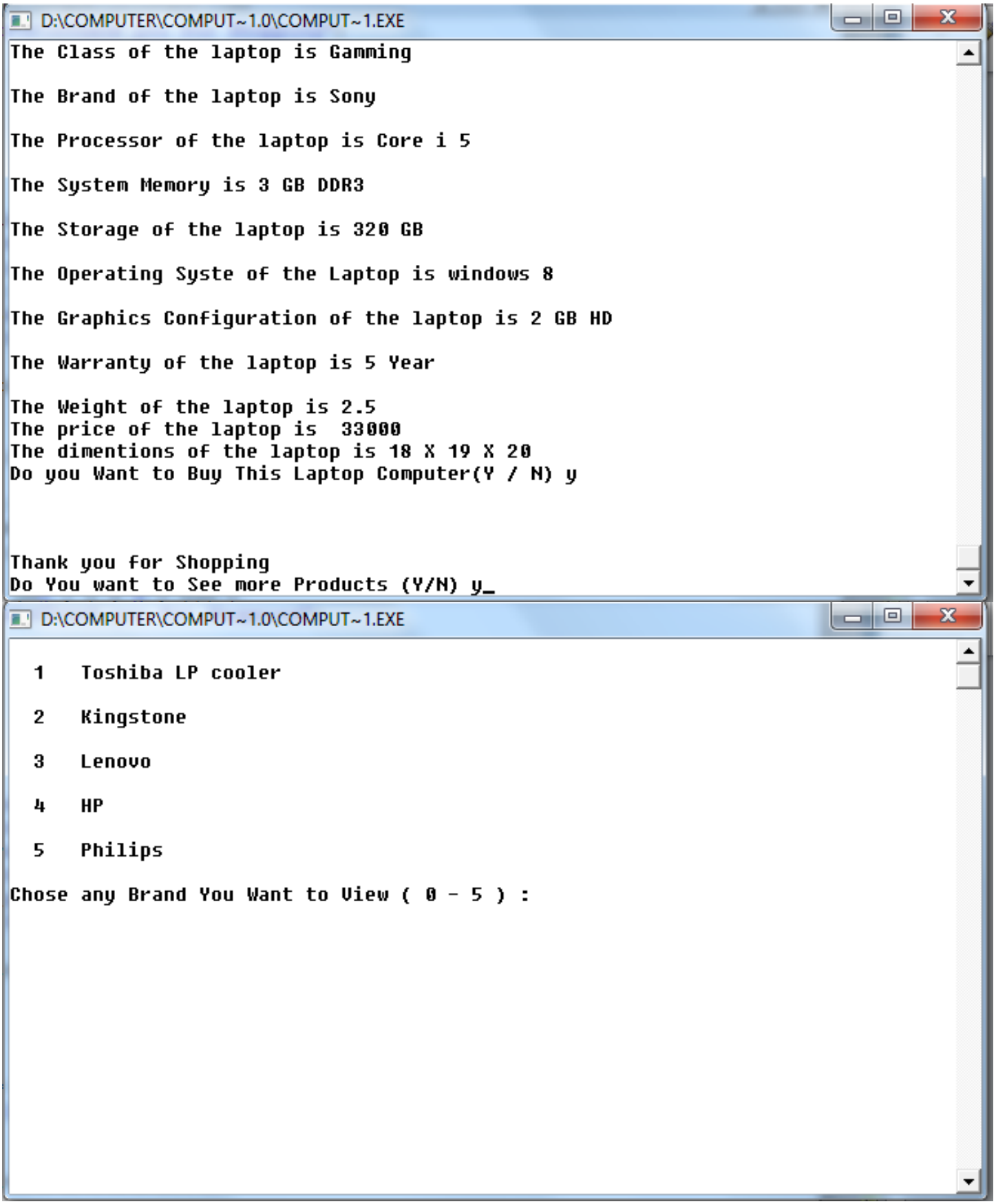
Output

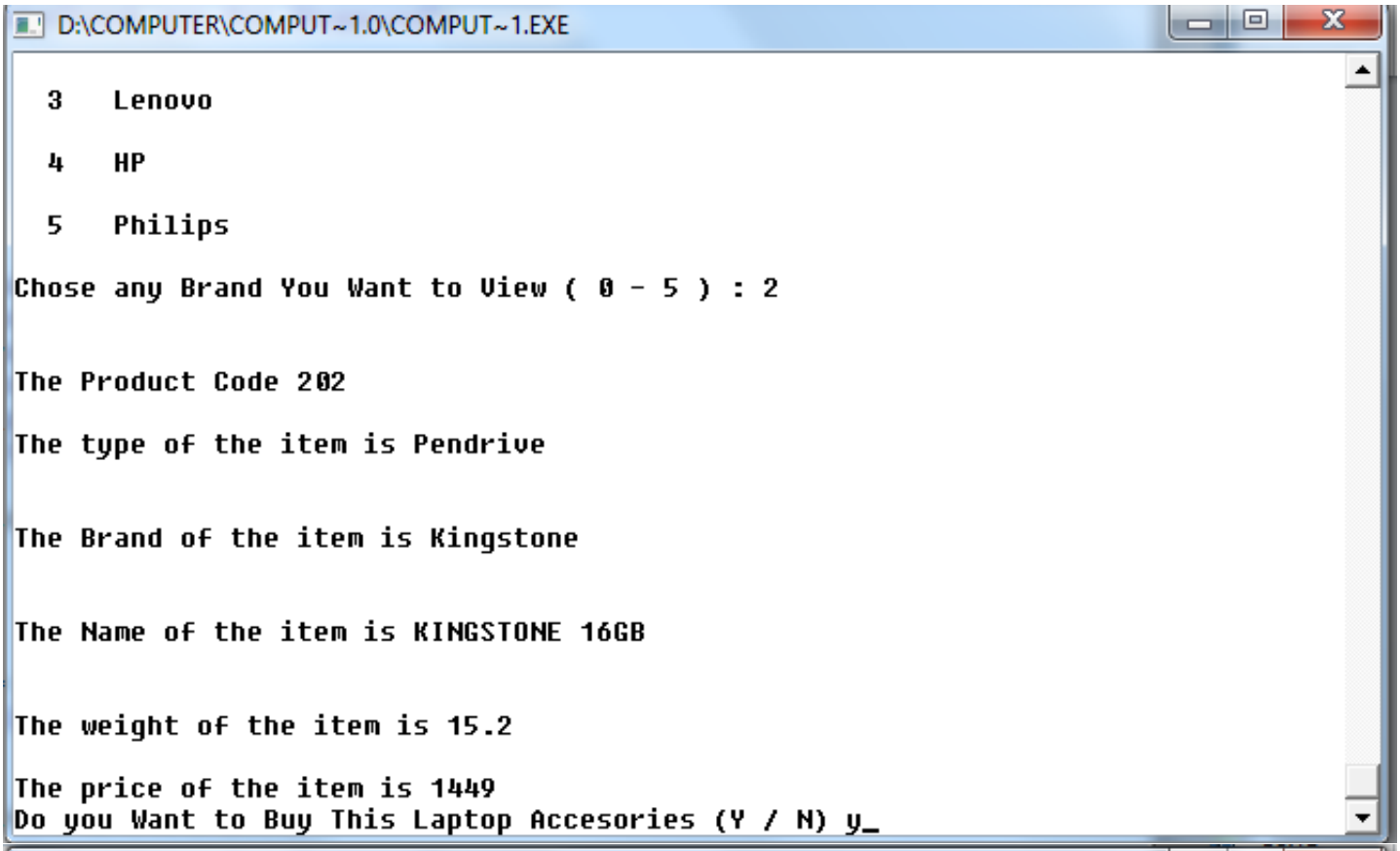

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Computer Science Project
Topic : Computer shop
Nikhil Mahesh Patel
Studing in 11th B
Roll number 20

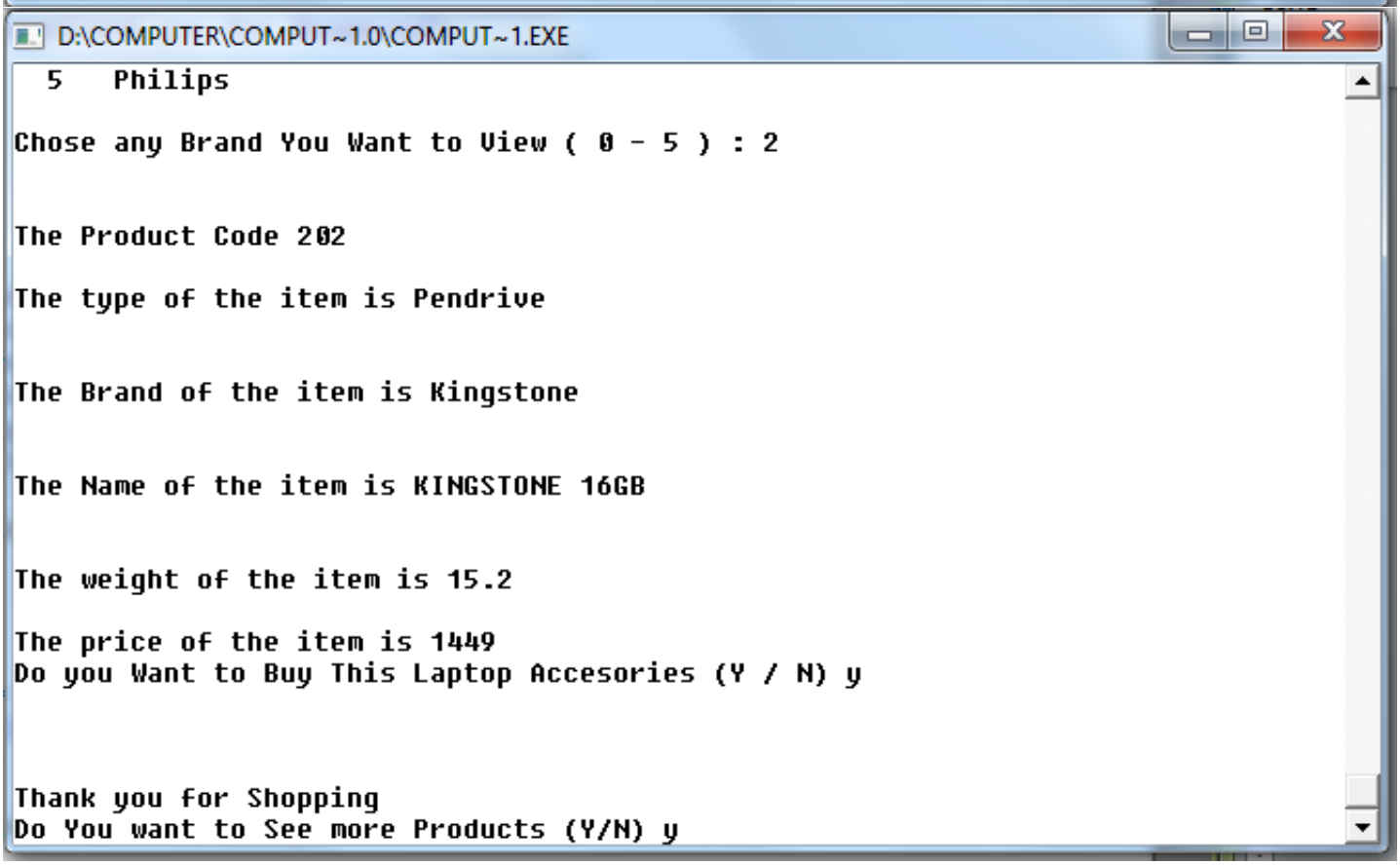

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
********** Computer Shop **********
1. Laptop Comuters
2. Laptop Accessories
3. Tablets
4. Network components
5. All-in-one Desktops
6. Computer Peripherals
7. Software
8. Computer Components
9. Tablet Accessories
10. Audio Players
11. Video Playes
12. Tv & Video Accessories
13. Billing
14. Administrator
15. Exit
Please Enter Your choice (1-15):

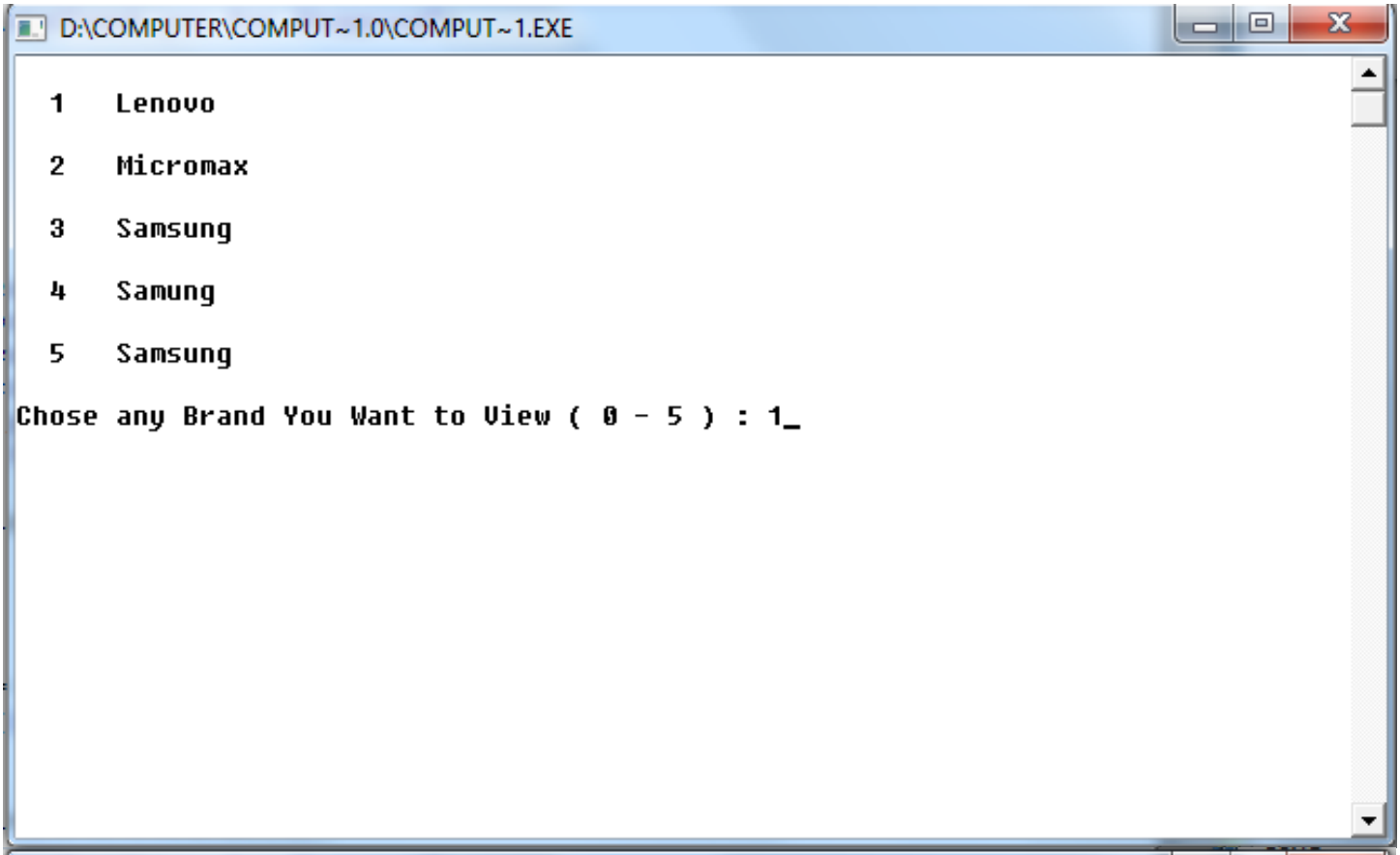

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Lenovo
2 Hcl
3 HP
4 Sony
5 Toshiba
Chose any Brand You Want to View (0 - 5) : _

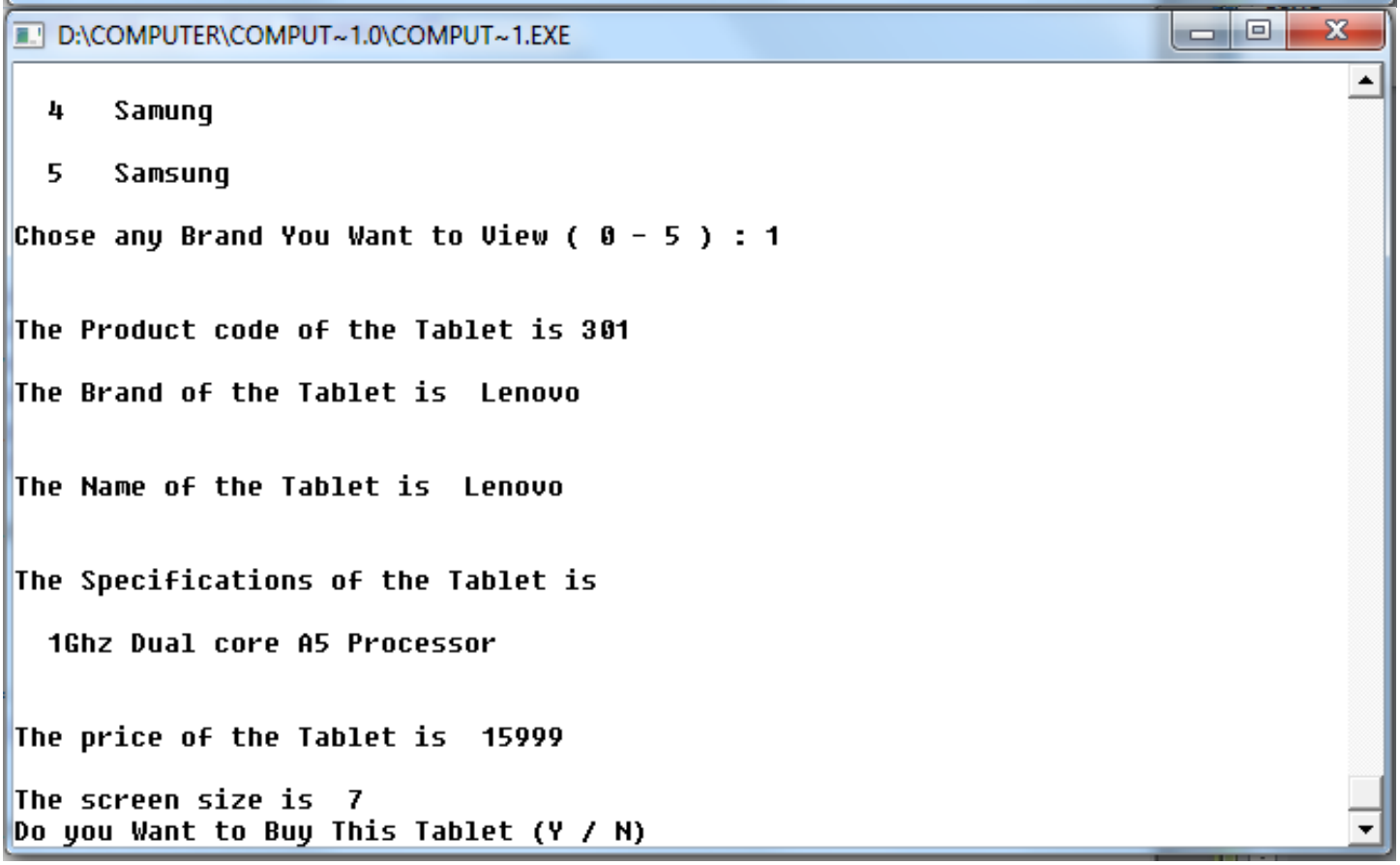

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
5 Toshiba
Chose any Brand You Want to View (0 - 5) : 4
The Product code is 104
The Class of the laptop is Gamming
The Brand of the laptop is Sony
The Processor of the laptop is Core i 5
The System Memory is 3 GB DDR3
The Storage of the laptop is 320 GB
The Operating Syste of the Laptop is windows 8
The Graphics Configuration of the laptop is 2 GB HD
The Warranty of the laptop is 5 Year
The Weight of the laptop is 2.5
The price of the laptop is 33000
The dimentions of the laptop is 18 X 19 X 20
Do you Want to Buy This Laptop Computer(Y / N)

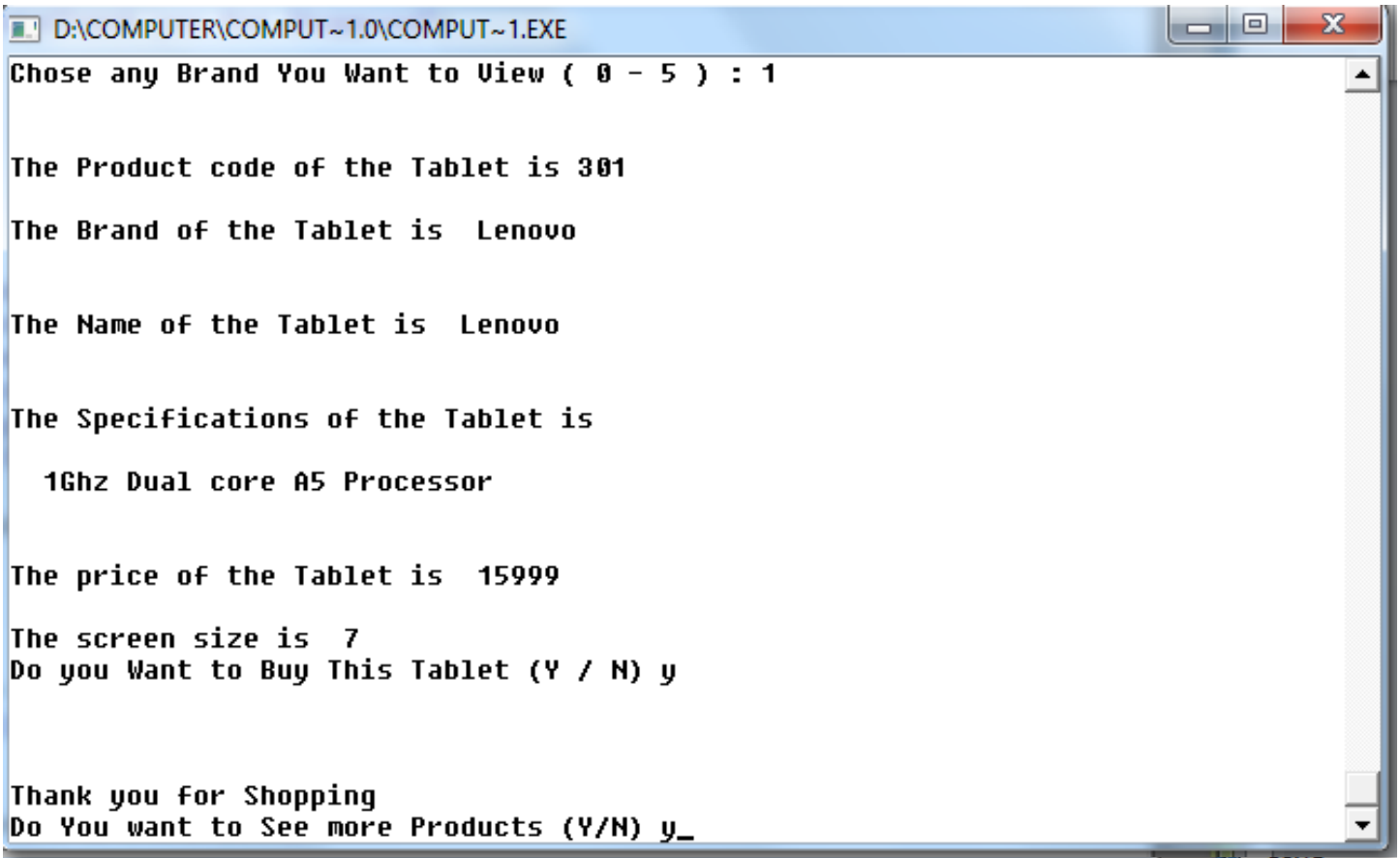

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
The Class of the laptop is Gamming
The Brand of the laptop is Sony
The Processor of the laptop is Core i 5
The System Memory is 3 GB DDR3
The Storage of the laptop is 320 GB
The Operating Syste of the Laptop is windows 8
The Graphics Configuration of the laptop is 2 GB HD
The Warranty of the laptop is 5 Year
The Weight of the laptop is 2.5
The price of the laptop is 33000
The dimentions of the laptop is 18 X 19 X 20
Do you Want to Buy This Laptop Computer(Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y_
D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Toshiba LP cooler
2 Kingstone
3 Lenovo
4 HP
5 Philips
Chose any Brand You Want to View (0 - 5) :

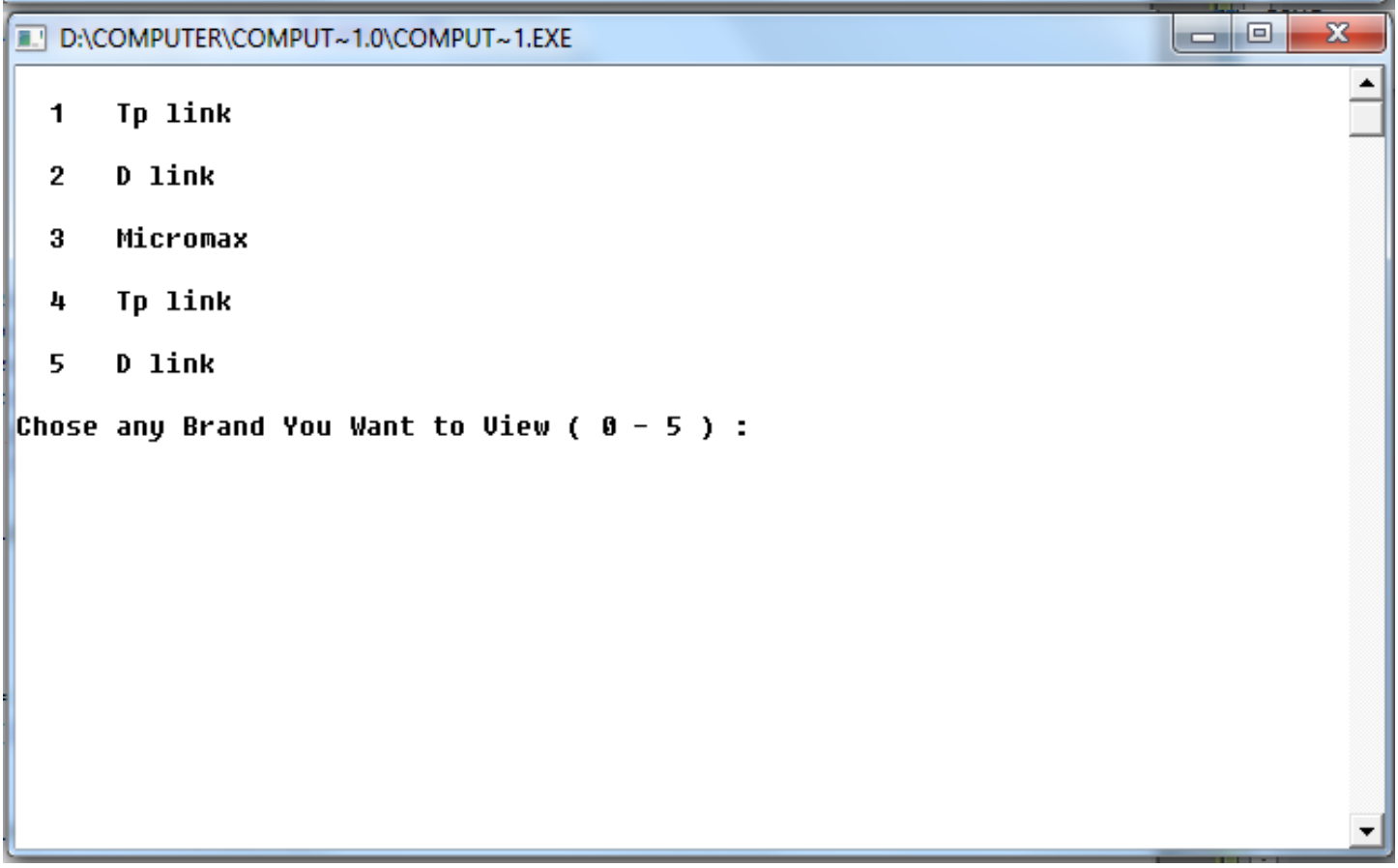

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
3 Lenovo
4 HP
5 Philips
Chose any Brand You Want to View (0 - 5) : 2
The Product Code 202
The type of the item is Pendrive
The Brand of the item is Kingstone
The Name of the item is KINGSTONE 16GB
The weight of the item is 15.2
The price of the item is 1449
Do you Want to Buy This Laptop Accesories (Y / N) y

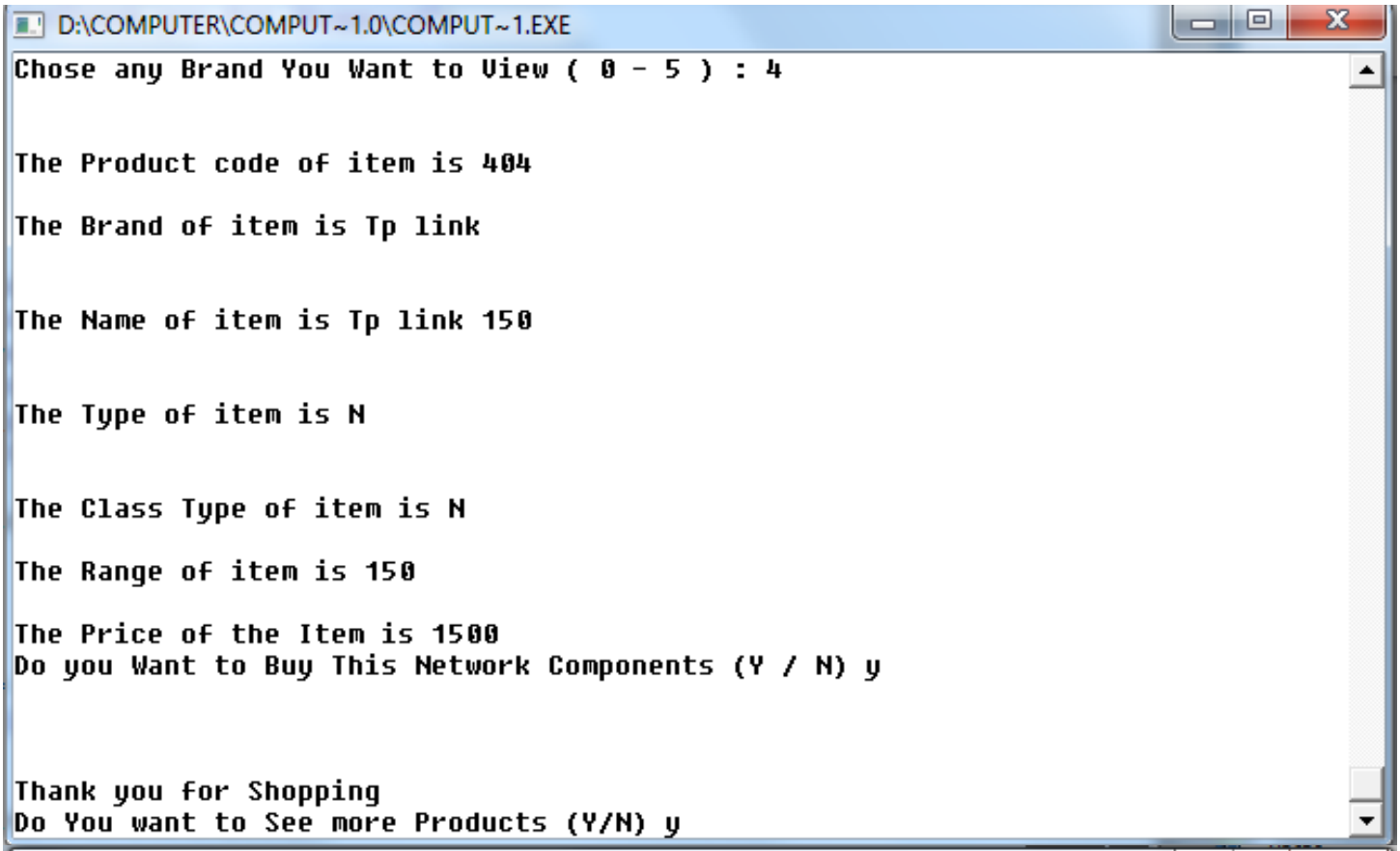

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
5 Philips
Chose any Brand You Want to View (0 - 5) : 2
The Product Code 202
The type of the item is Pendrive
The Brand of the item is Kingstone
The Name of the item is KINGSTONE 16GB
The weight of the item is 15.2
The price of the item is 1449
Do you Want to Buy This Laptop Accesories (Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y

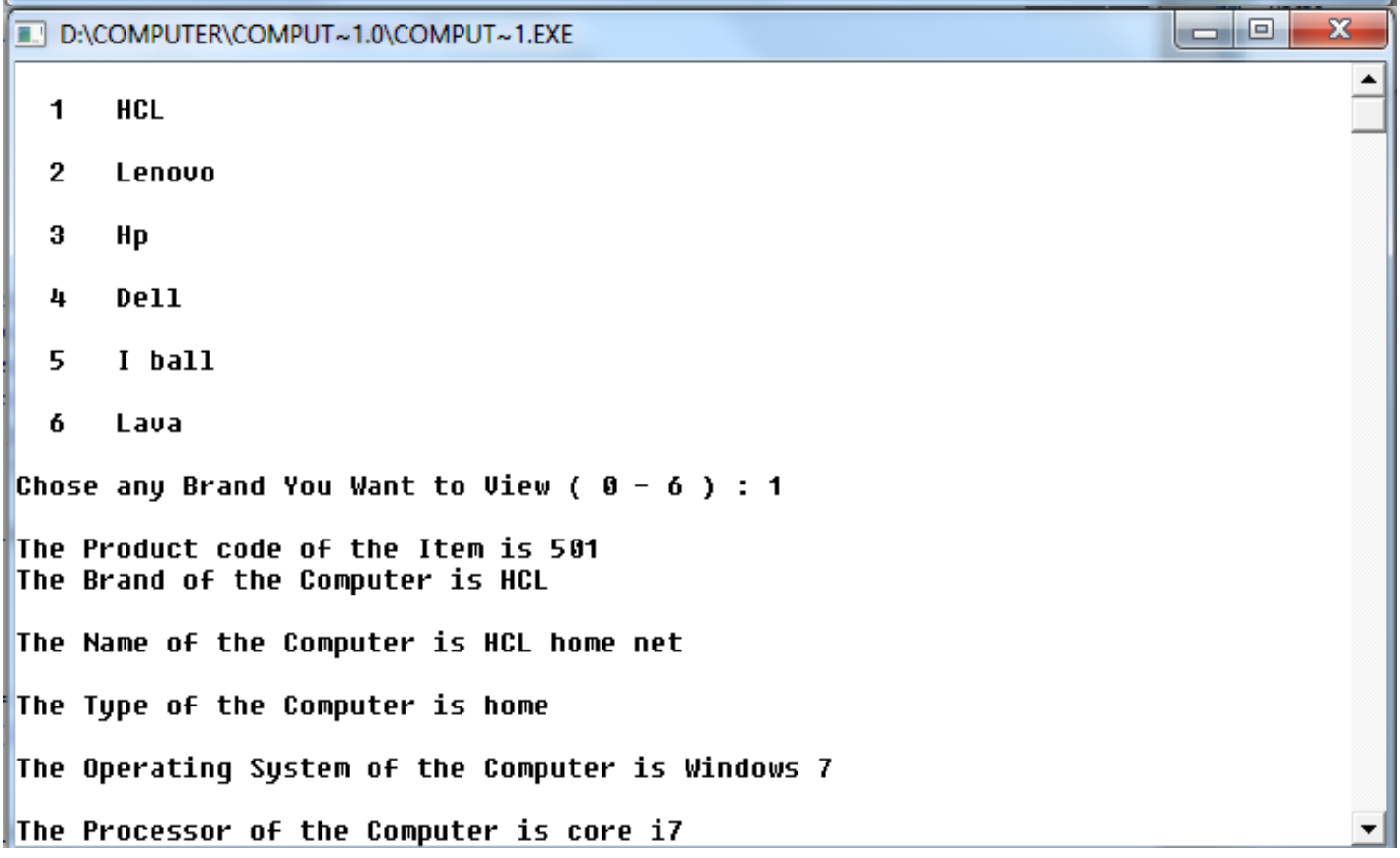

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Lenovo
2 Micromax
3 Samsung
4 Samung
5 Samsung
Chose any Brand You Want to View (0 - 5) : 1_

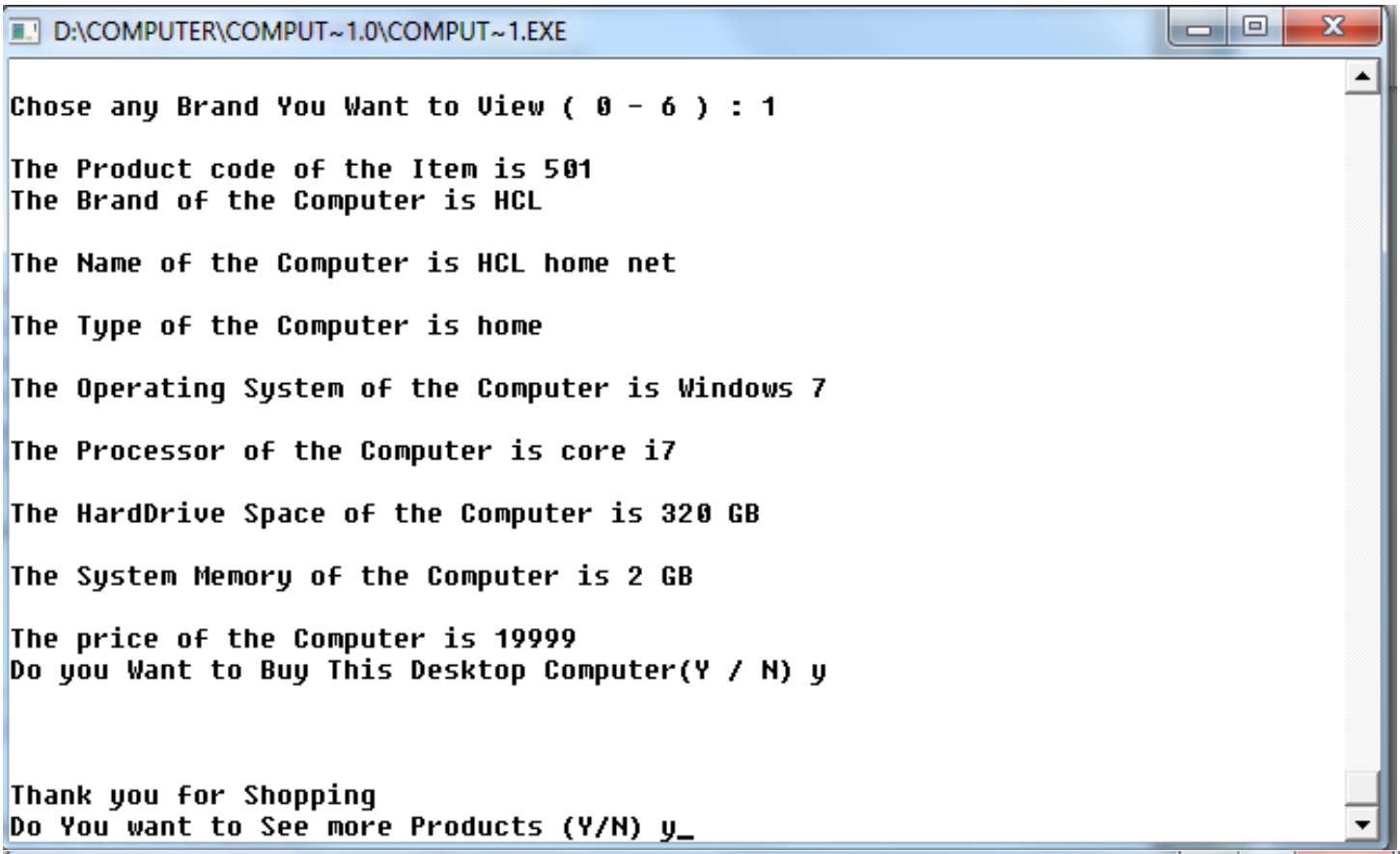

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
4 Samung
5 Samsung
Chose any Brand You Want to View (0 - 5) : 1
The Product code of the Tablet is 301
The Brand of the Tablet is Lenovo
The Name of the Tablet is Lenovo
The Specifications of the Tablet is
1Ghz Dual core A5 Processor
The price of the Tablet is 15999
The screen size is 7
Do you Want to Buy This Tablet (Y / N)

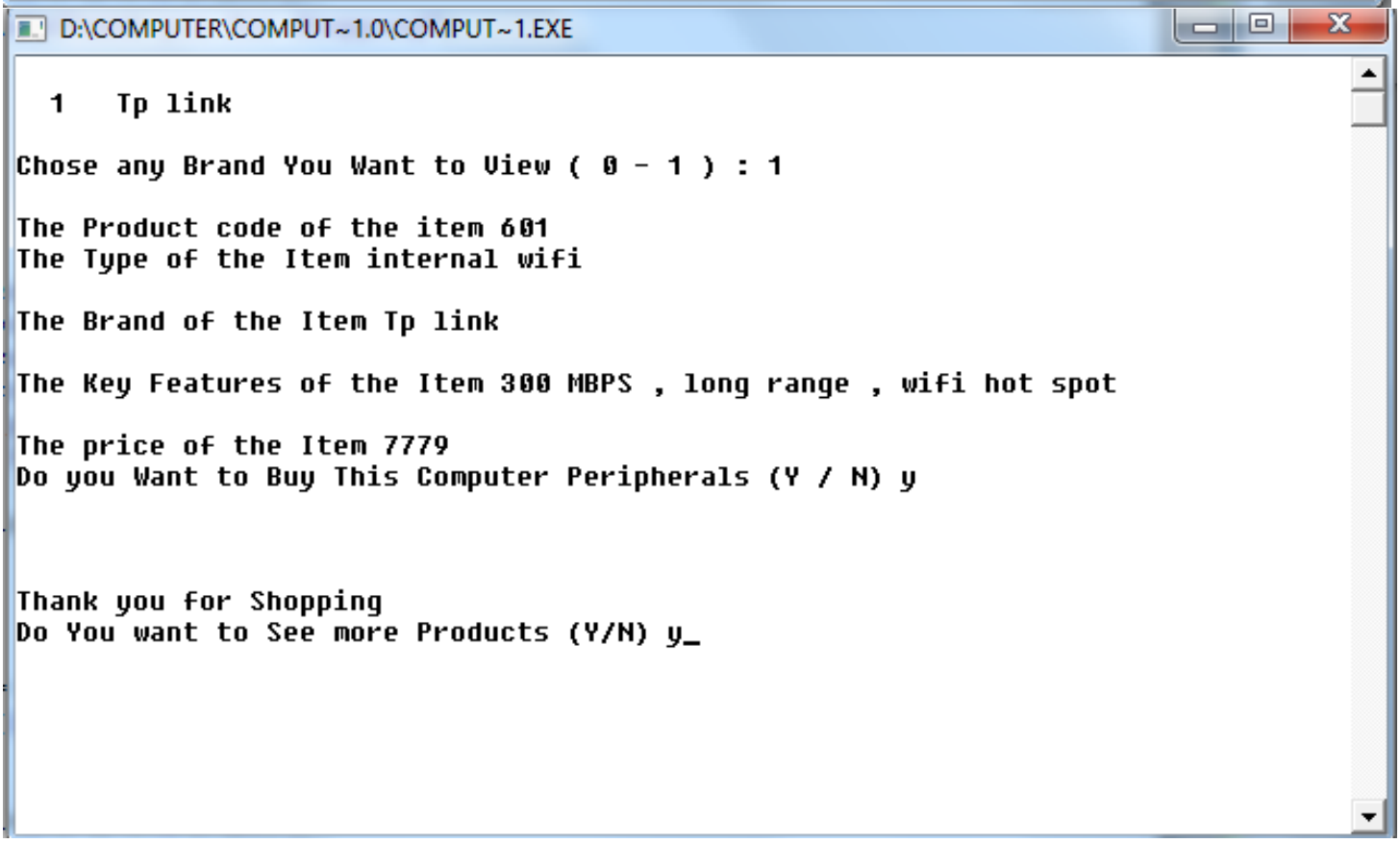

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Chose any Brand You Want to View (0 - 5) : 1
The Product code of the Tablet is 301
The Brand of the Tablet is Lenovo
The Name of the Tablet is Lenovo
The Specifications of the Tablet is
1Ghz Dual core A5 Processor
The price of the Tablet is 15999
The screen size is 7
Do you Want to Buy This Tablet (Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y_

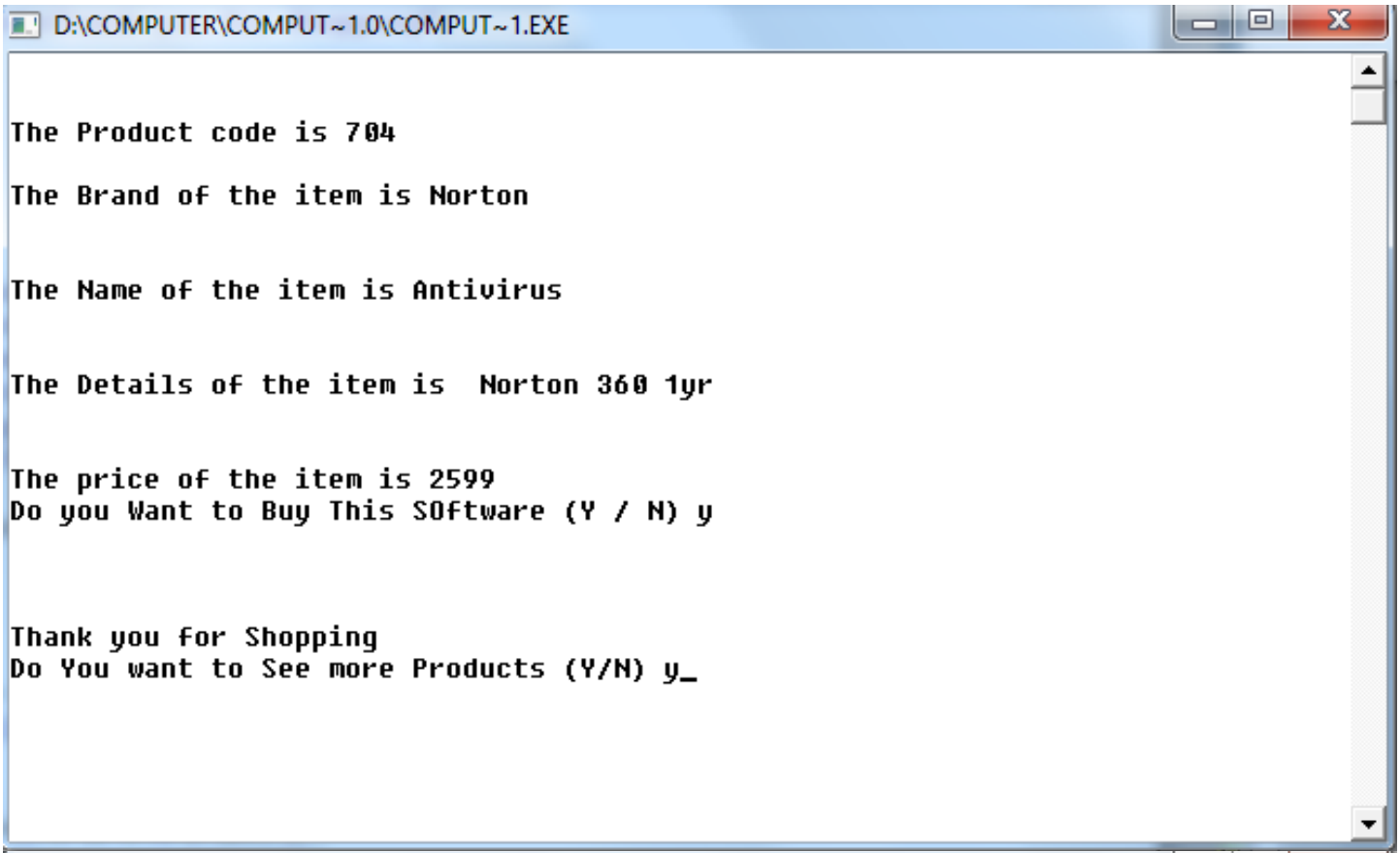

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Tp link
2 D link
3 Micromax
4 Tp link
5 D link
Chose any Brand You Want to View (0 - 5) :

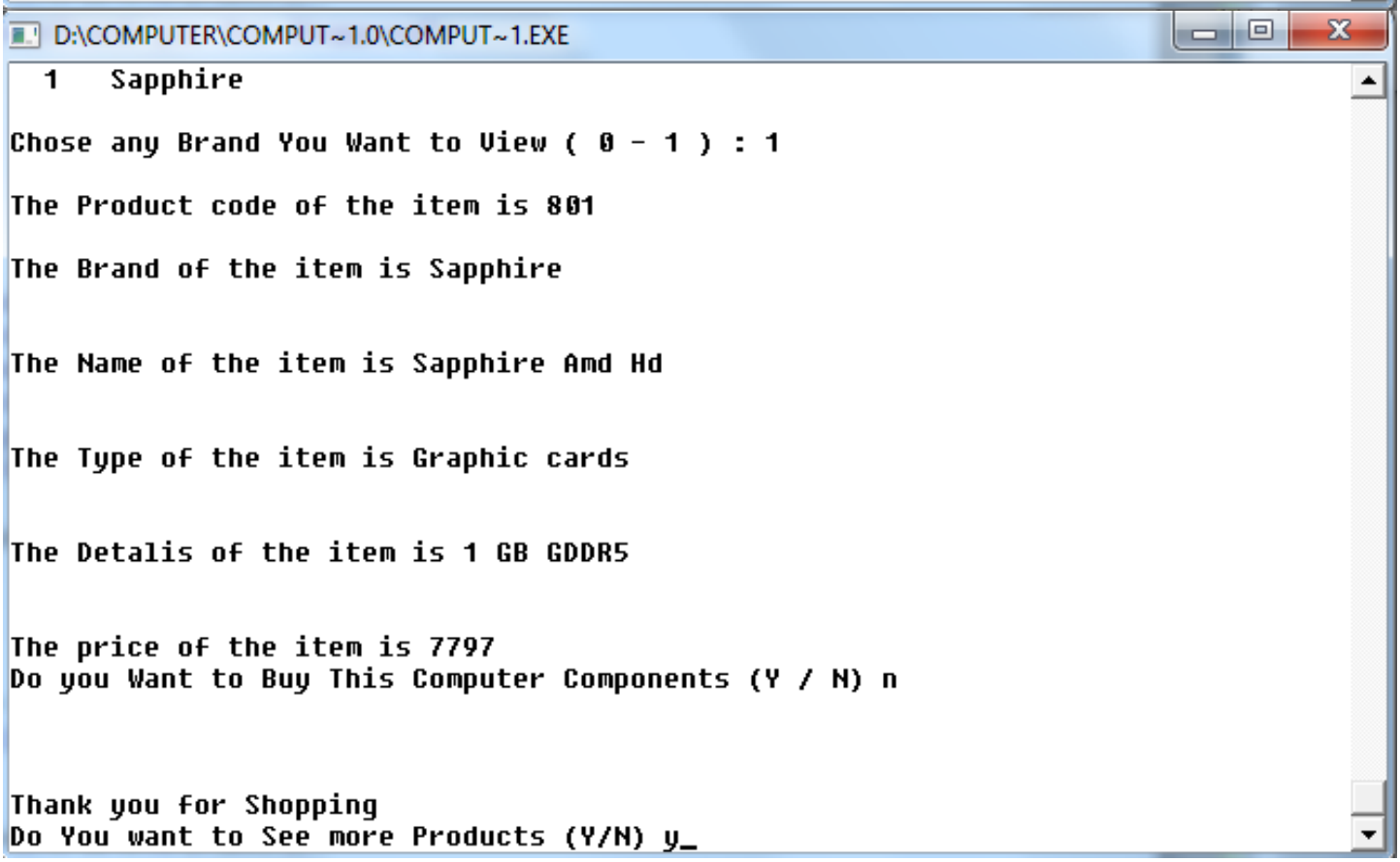

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Chose any Brand You Want to View (0 - 5) : 4
The Product code of item is 404
The Brand of item is Tp link
The Name of item is Tp link 150
The Type of item is N
The Class Type of item is N
The Range of item is 150
The Price of the Item is 1500
Do you Want to Buy This Network Components (Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y

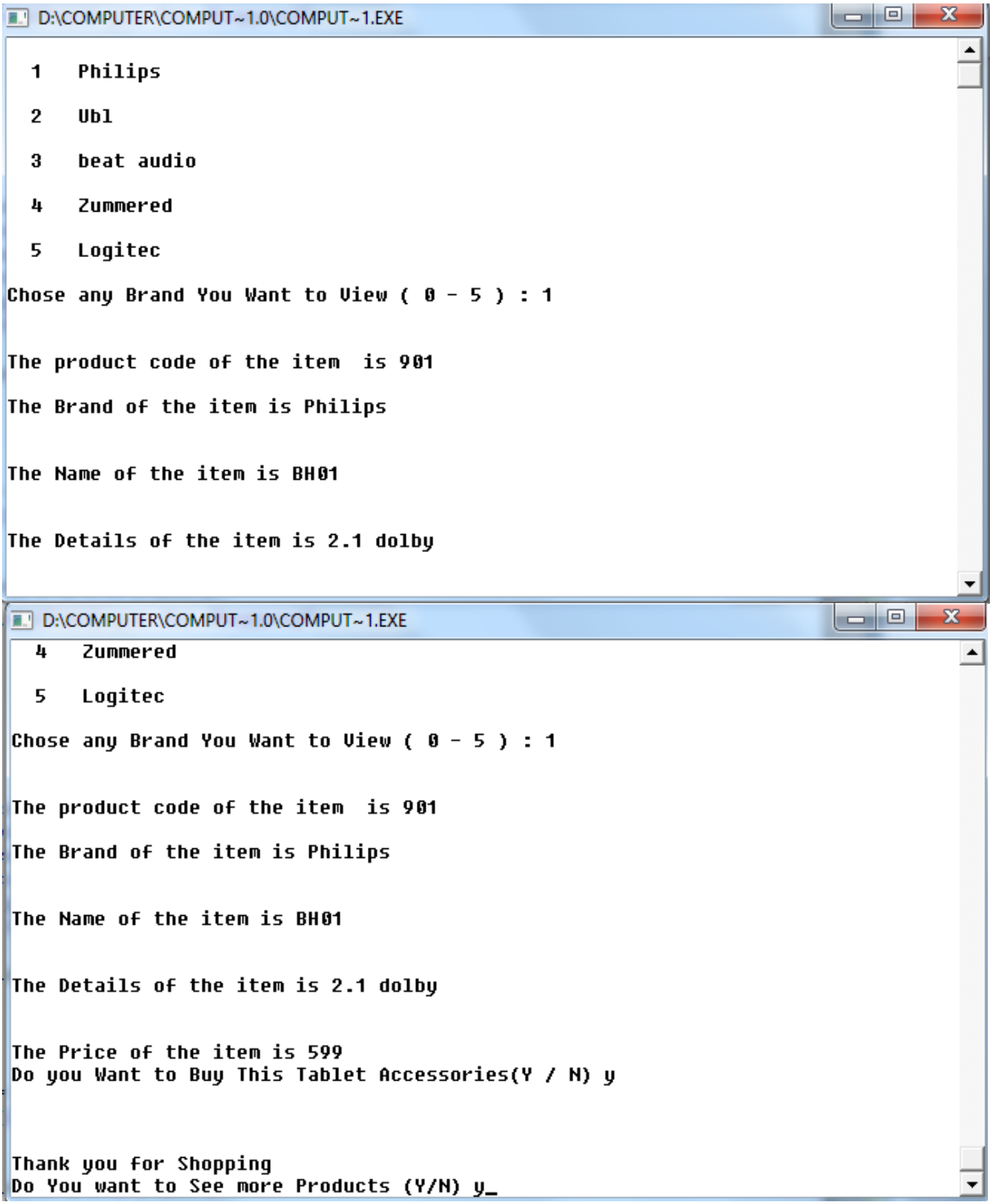

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 HCL
2 Lenovo
3 Hp
4 Dell
5 I ball
6 Lava
Chose any Brand You Want to View (0 - 6) : 1
The Product code of the Item is 501
The Brand of the Computer is HCL
The Name of the Computer is HCL home net
The Type of the Computer is home
The Operating System of the Computer is Windows 7
The Processor of the Computer is core i7

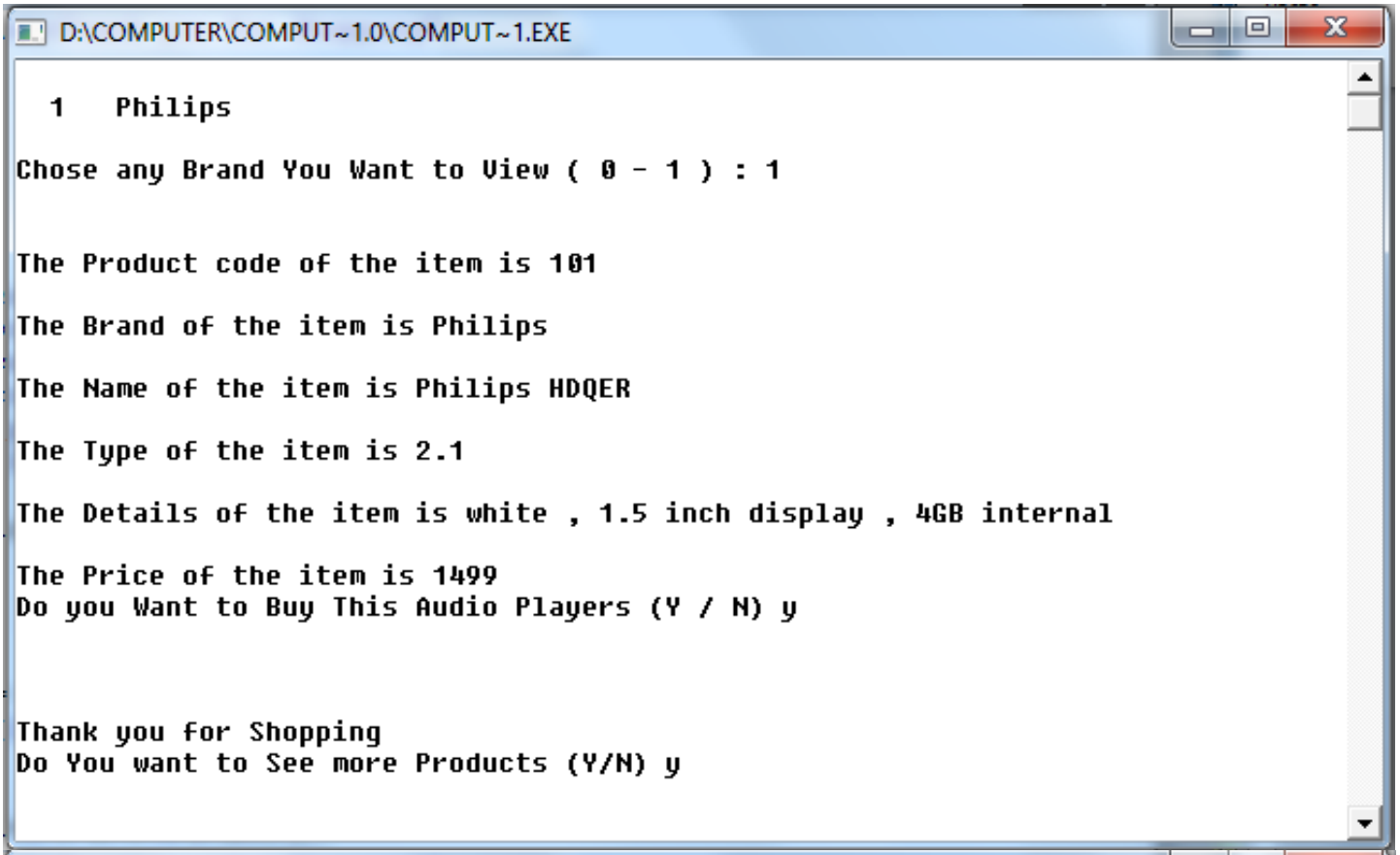

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Chose any Brand You Want to View (0 - 6) : 1
The Product code of the Item is 501
The Brand of the Computer is HCL
The Name of the Computer is HCL home net
The Type of the Computer is home
The Operating System of the Computer is Windows 7
The Processor of the Computer is core i7
The HardDrive Space of the Computer is 320 GB
The System Memory of the Computer is 2 GB
The price of the Computer is 19999
Do you Want to Buy This Desktop Computer(Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y_

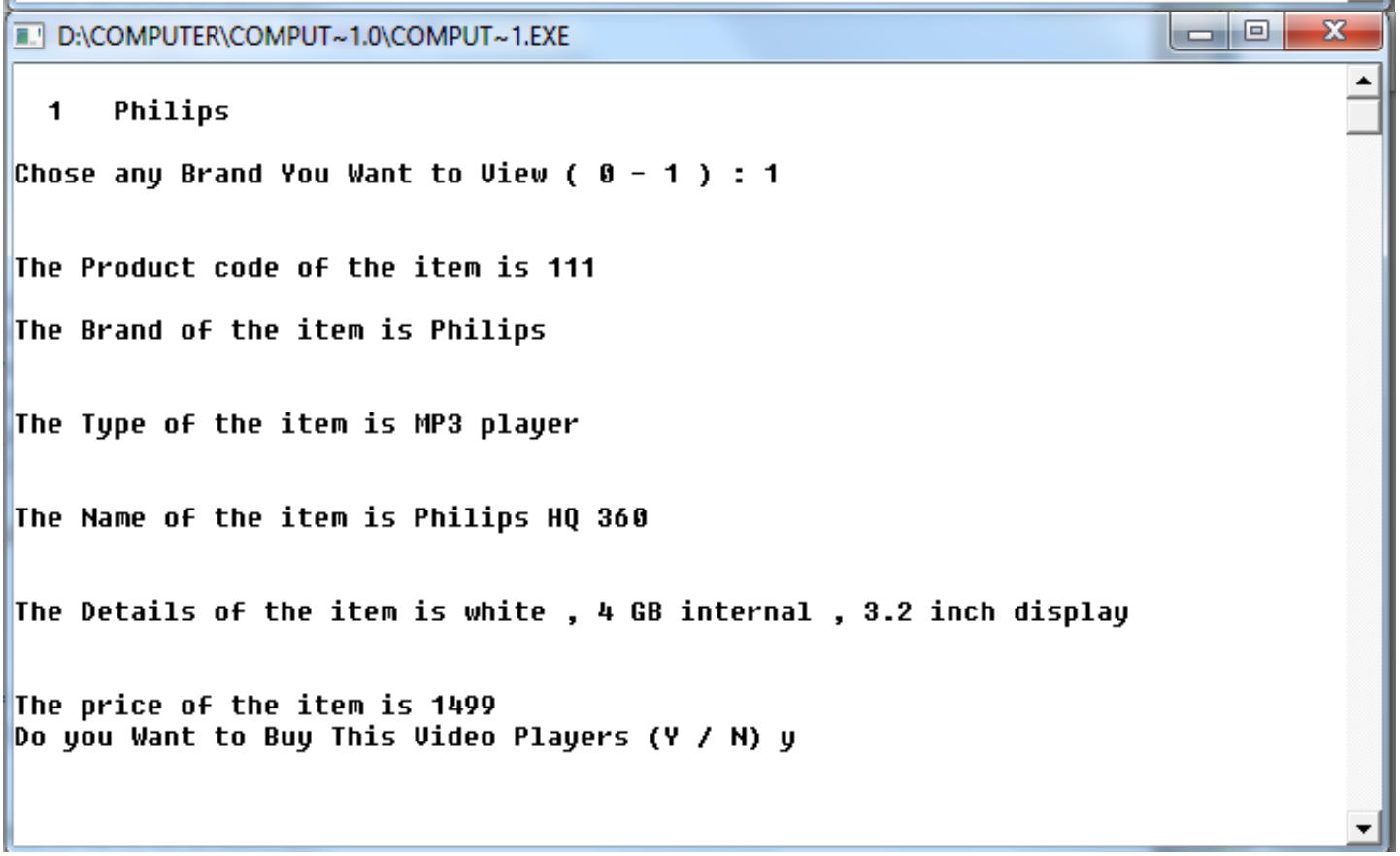

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Tp link
Chose any Brand You Want to View (0 - 1) : 1
The Product code of the item 601
The Type of the Item internal wifi
The Brand of the Item Tp link
The Key Features of the Item 300 MBPS , long range , wifi hot spot
The price of the Item 7779
Do you Want to Buy This Computer Peripherals (Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y_

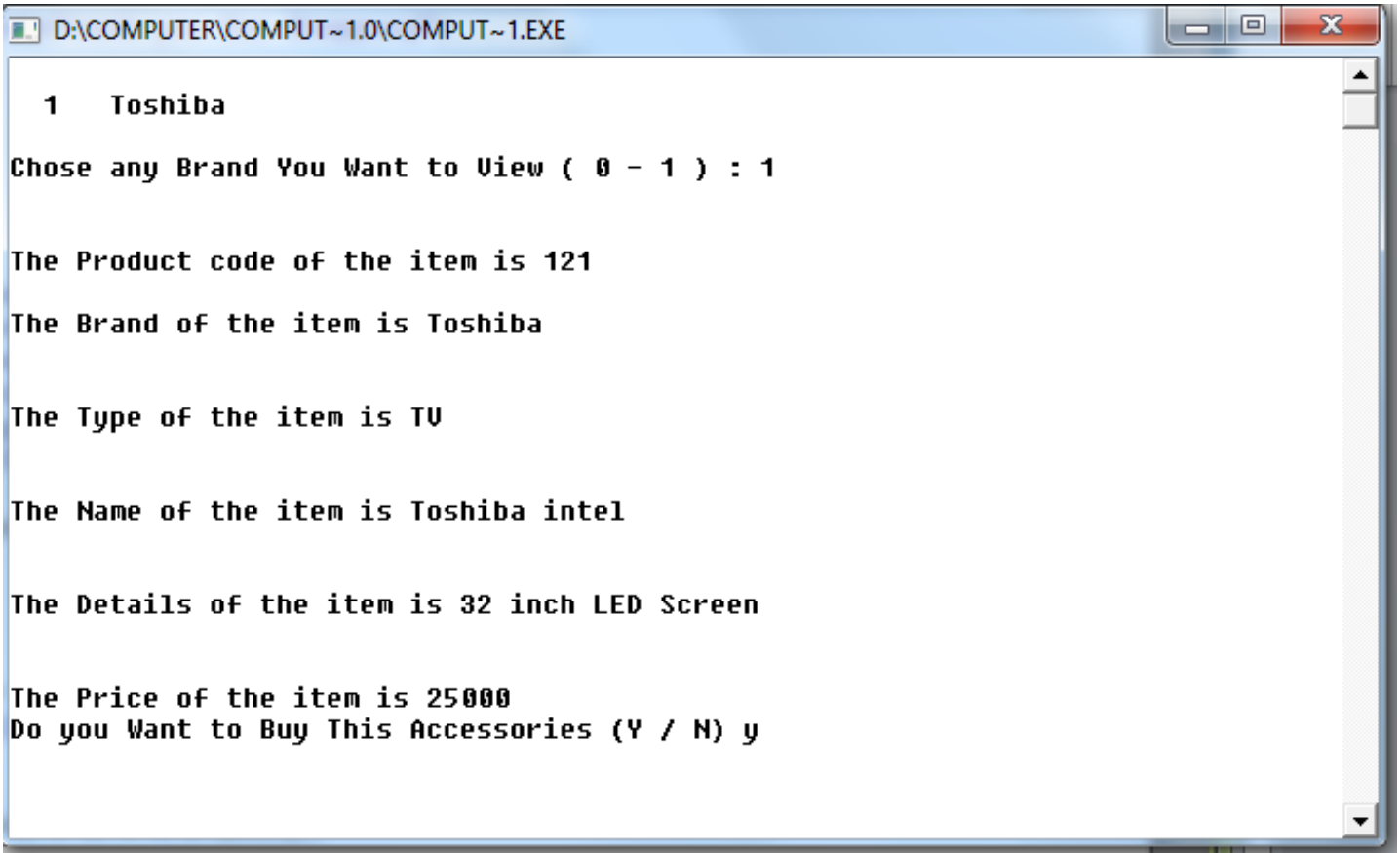

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
The Product code is 704
The Brand of the item is Norton
The Name of the item is Antivirus
The Details of the item is Norton 360 1yr
The price of the item is 2599
Do you Want to Buy This SOftware (Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y_

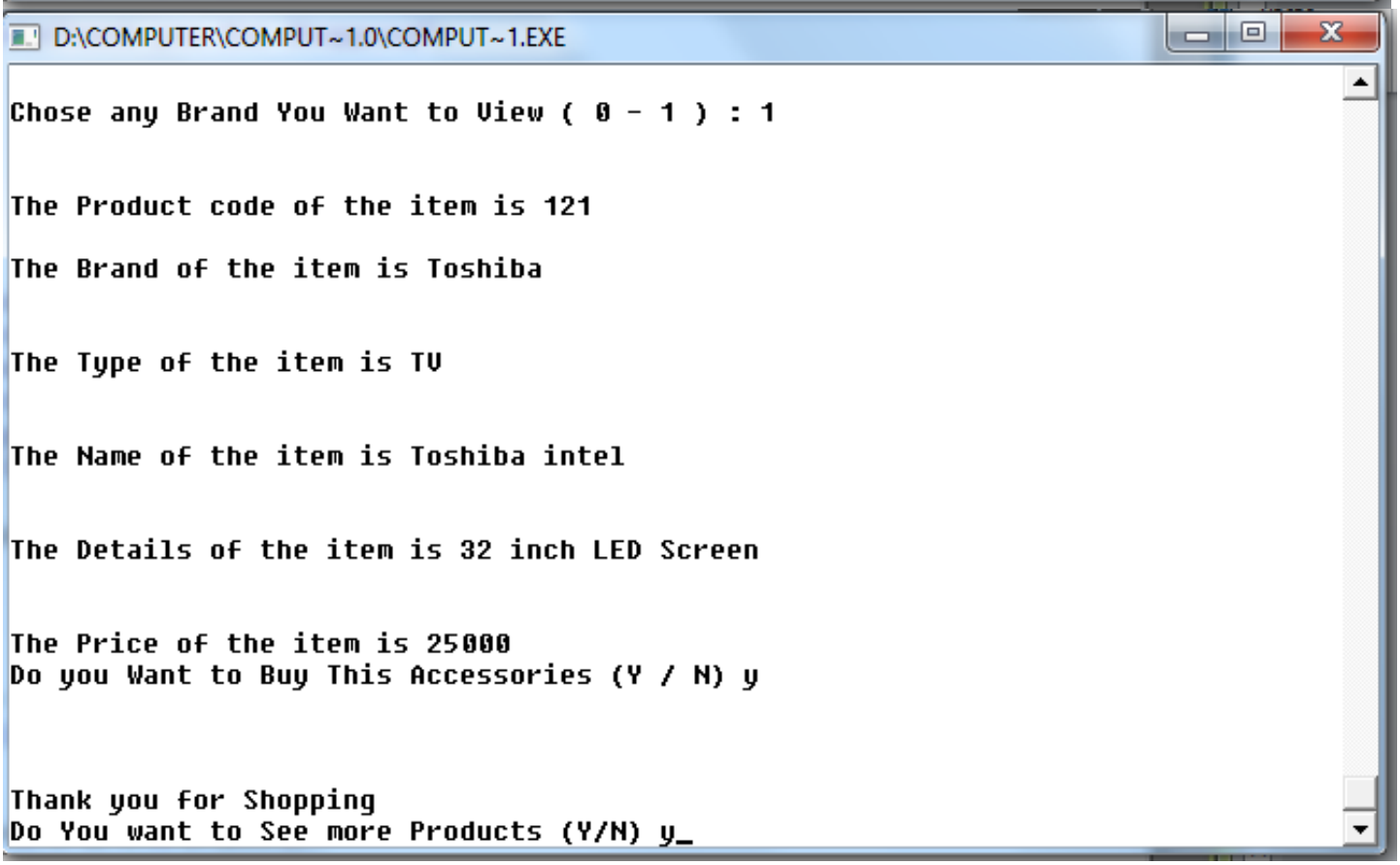

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Sapphire
Chose any Brand You Want to View (0 - 1) : 1
The Product code of the item is 801
The Brand of the item is Sapphire
The Name of the item is Sapphire Amd Hd
The Type of the item is Graphic cards
The Detalis of the item is 1 GB GDDR5
The price of the item is 7797
Do you Want to Buy This Computer Components (Y / N) n
Thank you for Shopping
Do You want to See more Products (Y/N) y_

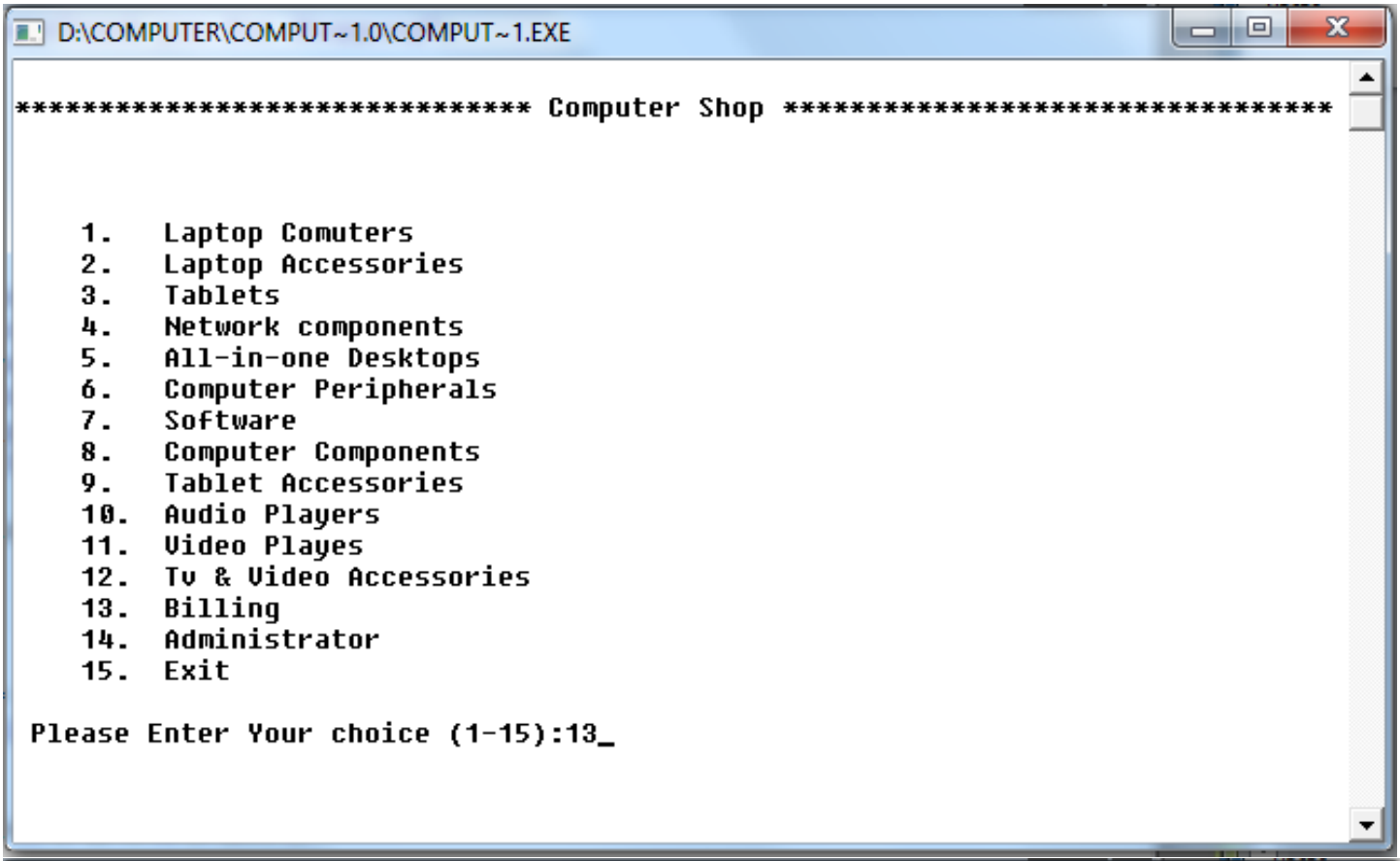

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Philips
2 Ubl
3 beat audio
4 Zummered
5 Logitec
Chose any Brand You Want to View (0 - 5) : 1
The product code of the item is 901
The Brand of the item is Philips
The Name of the item is BH01
The Details of the item is 2.1 dolby
D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
4 Zummered
5 Logitec
Chose any Brand You Want to View (0 - 5) : 1
The product code of the item is 901
The Brand of the item is Philips
The Name of the item is BH01
The Details of the item is 2.1 dolby
The Price of the item is 599
Do you Want to Buy This Tablet Accessories(Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y_

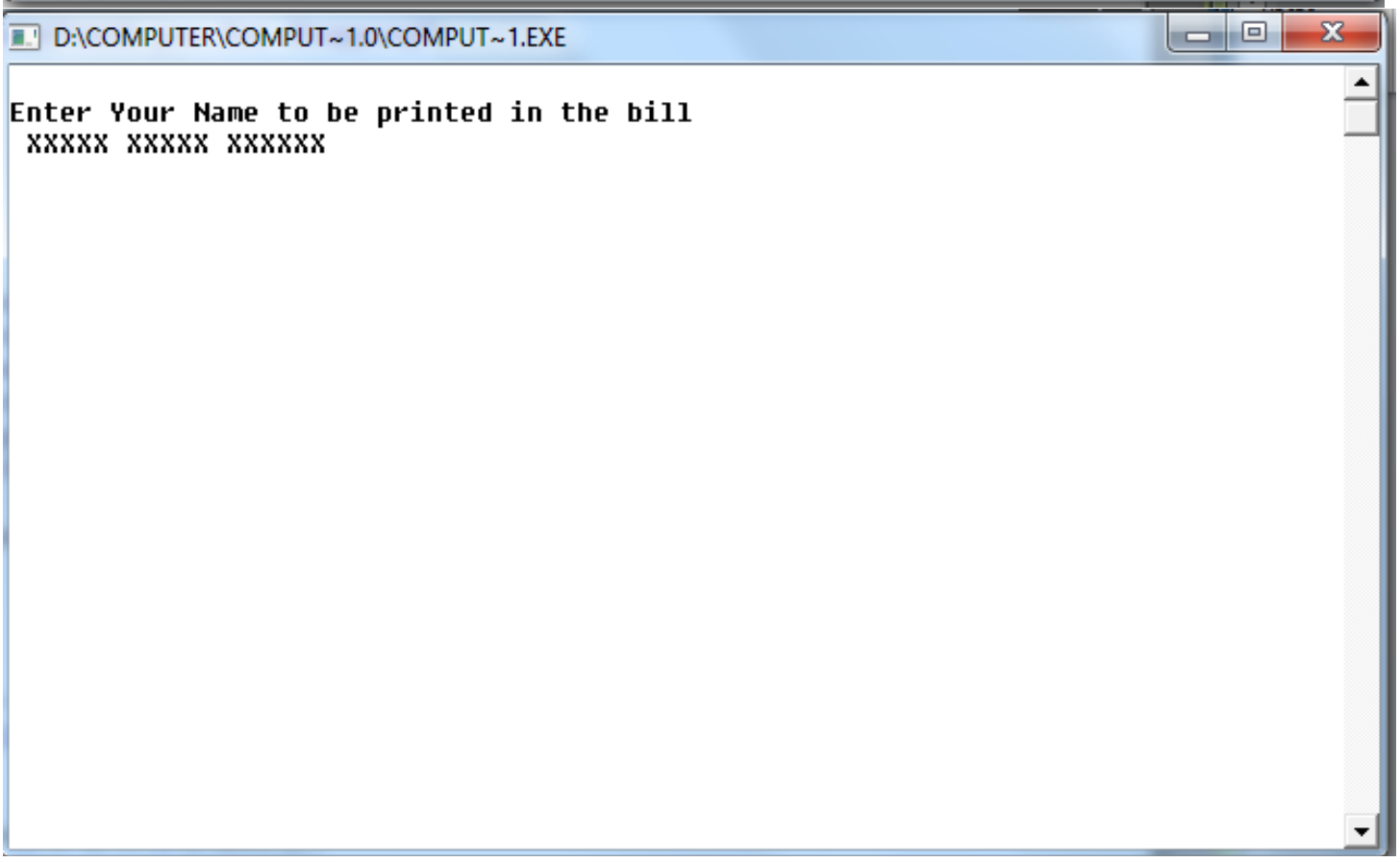

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Philips
Chose any Brand You Want to View (0 - 1) : 1
The Product code of the item is 101
The Brand of the item is Philips
The Name of the item is Philips HDQER
The Type of the item is 2.1
The Details of the item is white , 1.5 inch display , 4GB internal
The Price of the item is 1499
Do you Want to Buy This Audio Players (Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y

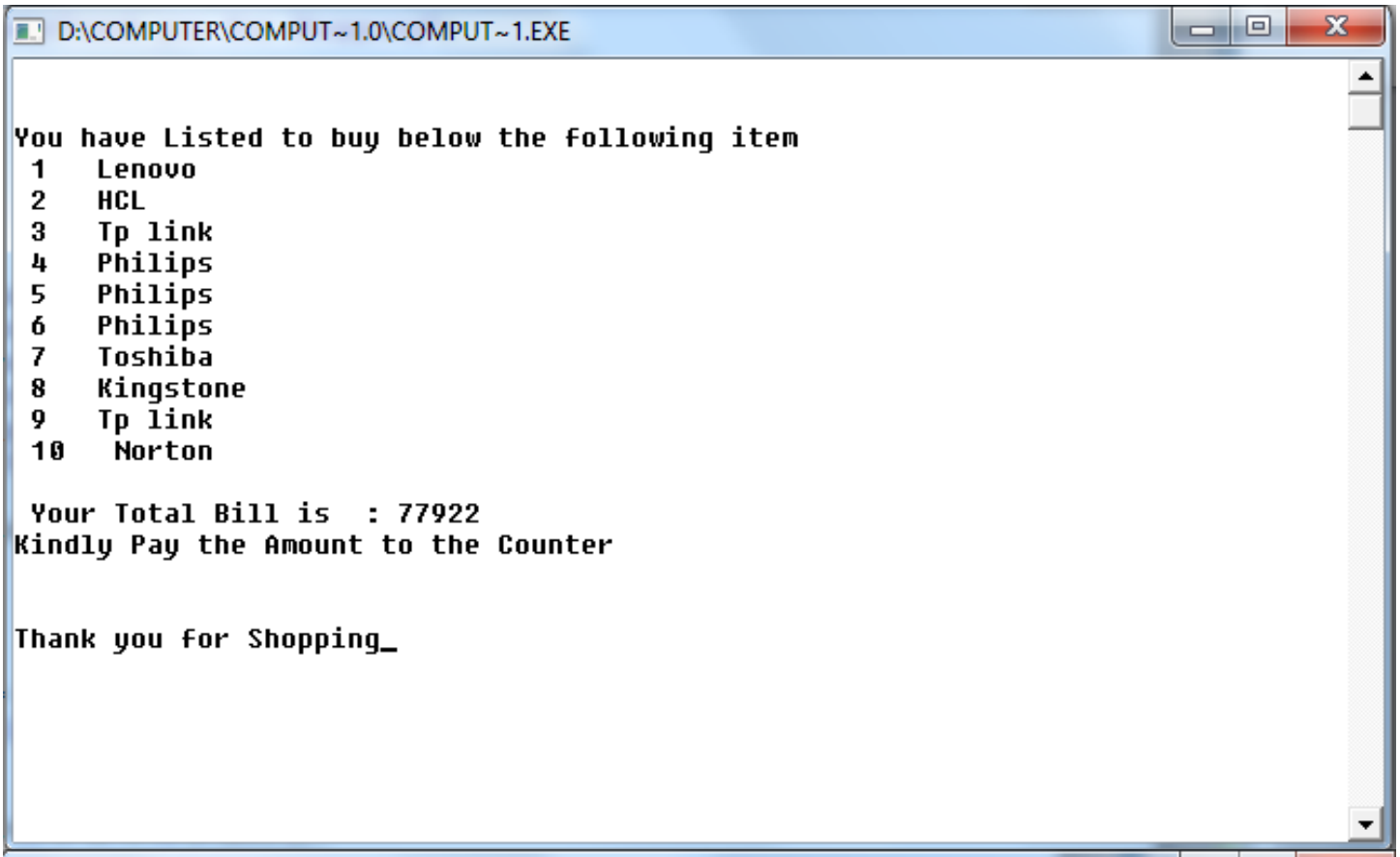

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Philips
Chose any Brand You Want to View (0 - 1) : 1
The Product code of the item is 111
The Brand of the item is Philips
The Type of the item is MP3 player
The Name of the item is Philips HQ 360
The Details of the item is white , 4 GB internal , 3.2 inch display
The price of the item is 1499
Do you Want to Buy This Video Players (Y / N) y

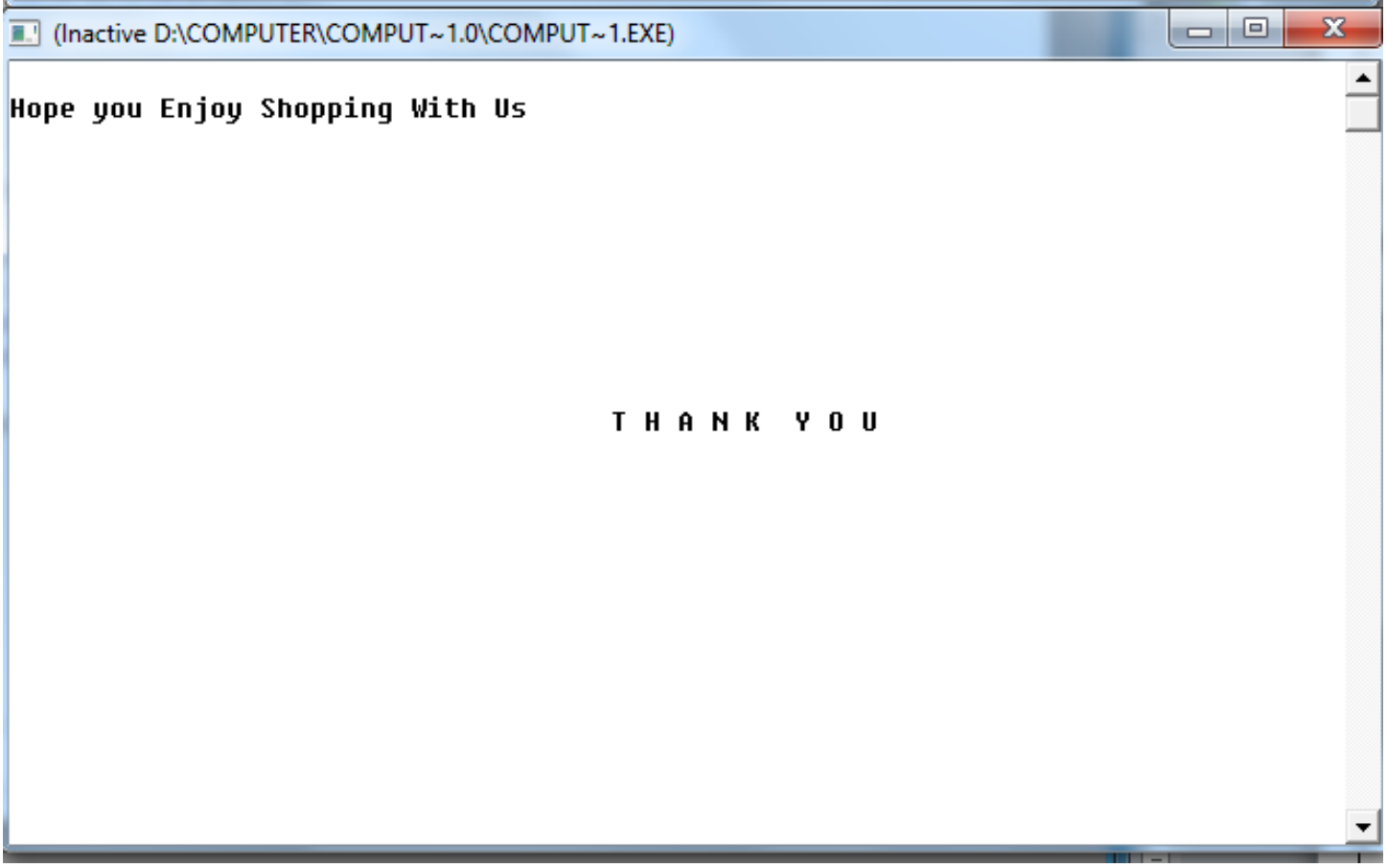

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 Toshiba
Chose any Brand You Want to View (0 - 1) : 1
The Product code of the item is 121
The Brand of the item is Toshiba
The Type of the item is TV
The Name of the item is Toshiba intel
The Details of the item is 32 inch LED Screen
The Price of the item is 25000
Do you Want to Buy This Accessories (Y / N) y


D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Chose any Brand You Want to View (0 - 1) : 1
The Product code of the item is 121
The Brand of the item is Toshiba
The Type of the item is TV
The Name of the item is Toshiba intel
The Details of the item is 32 inch LED Screen
The Price of the item is 25000
Do you Want to Buy This Accessories (Y / N) y
Thank you for Shopping
Do You want to See more Products (Y/N) y_

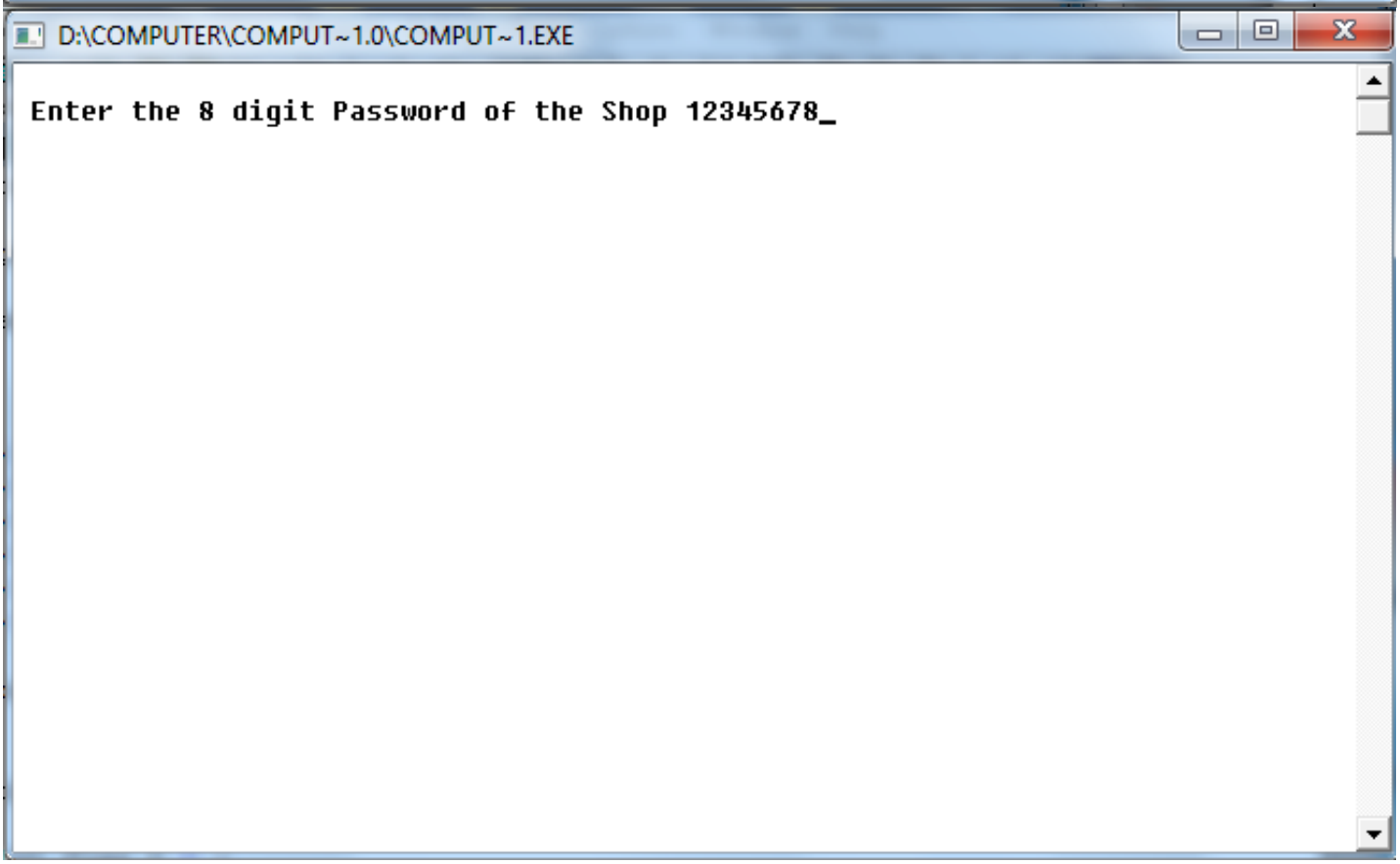

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
********** Computer Shop **********
1. Laptop Comuters
2. Laptop Accessories
3. Tablets
4. Network components
5. All-in-one Desktops
6. Computer Peripherals
7. Software
8. Computer Components
9. Tablet Accessories
10. Audio Players
11. Video Playes
12. Tv & Video Accessories
13. Billing
14. Administrator
15. Exit
Please Enter Your choice (1-15):13_

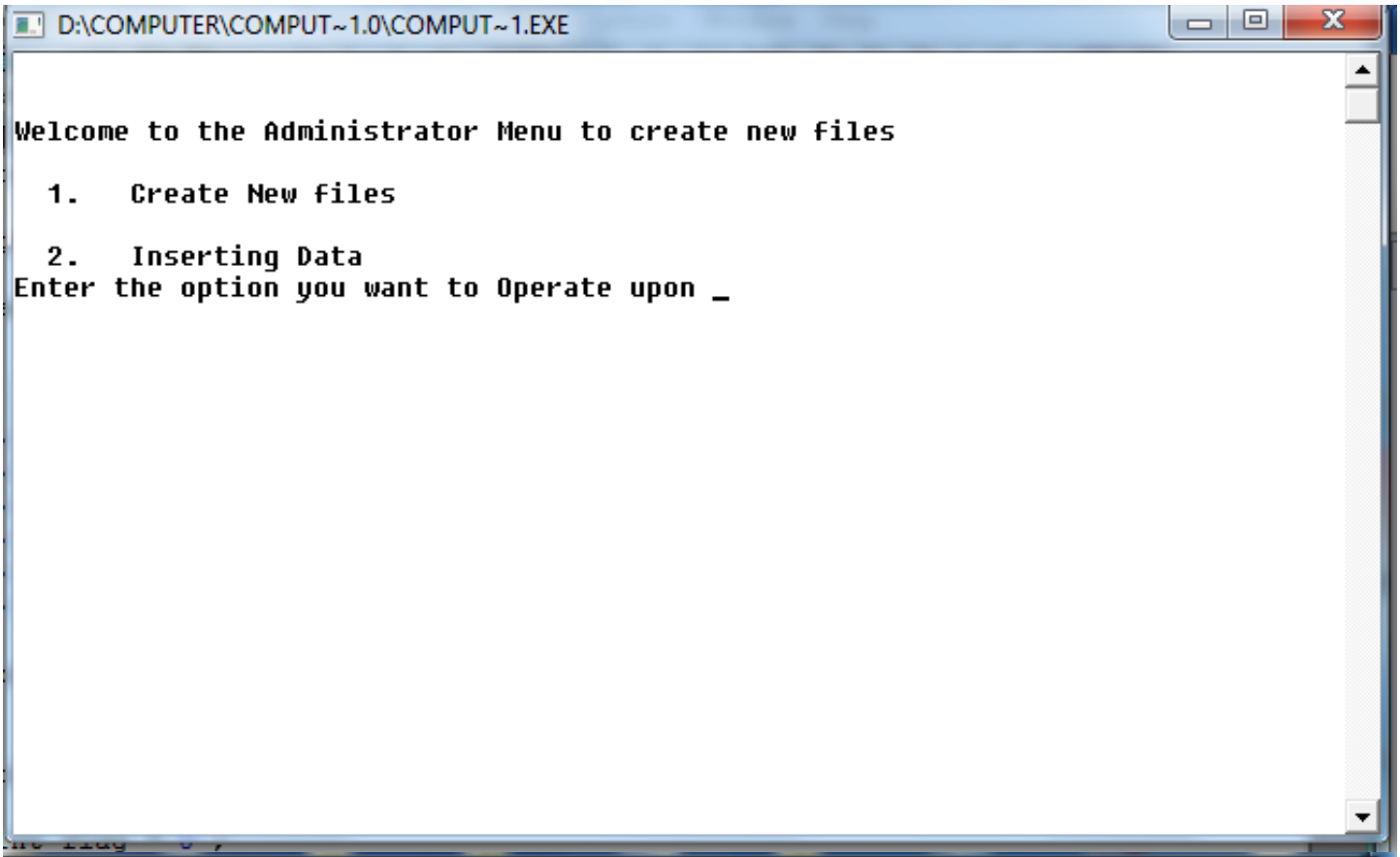

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Enter Your Name to be printed in the bill
XXXXX XXXXX XXXXXX

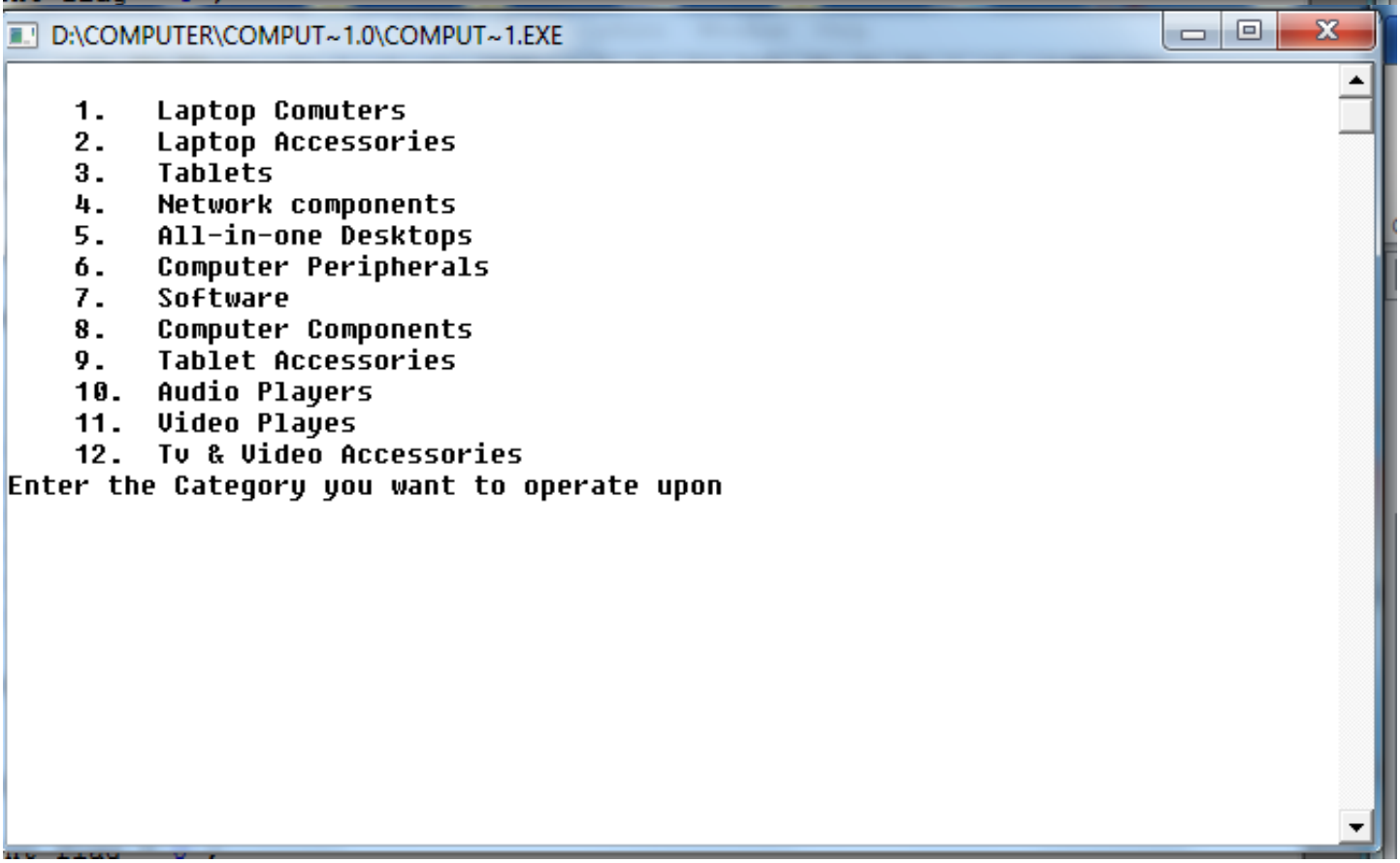

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
You have Listed to buy below the following item
1 Lenovo
2 HCL
3 Tp link
4 Philips
5 Philips
6 Philips
7 Toshiba
8 Kingstone
9 Tp link
10 Norton
Your Total Bill is : 77922
Kindly Pay the Amount to the Counter
Thank you for Shopping_

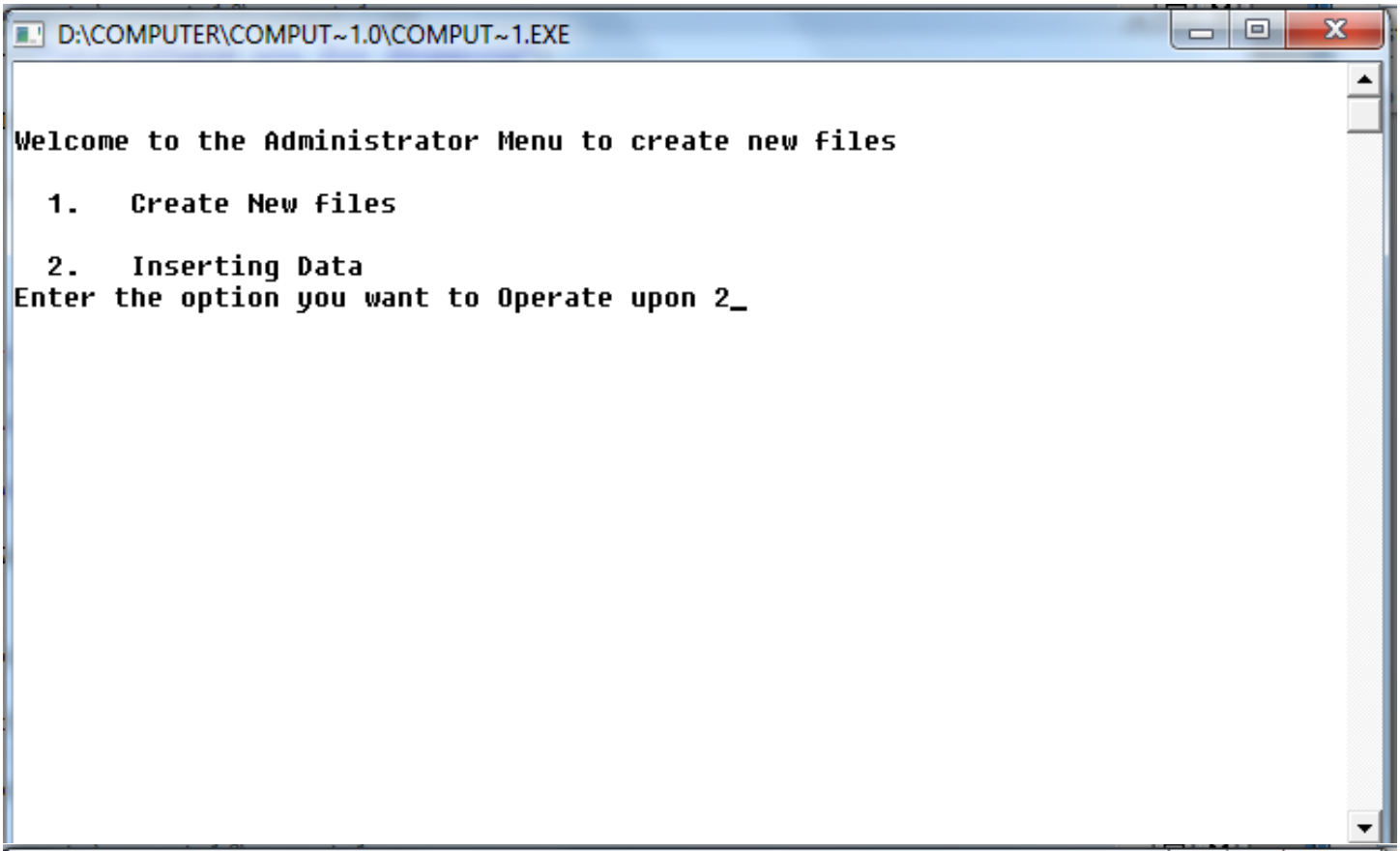

(Inactive D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE)
Hope you Enjoy Shopping With Us
T H A N K Y O U

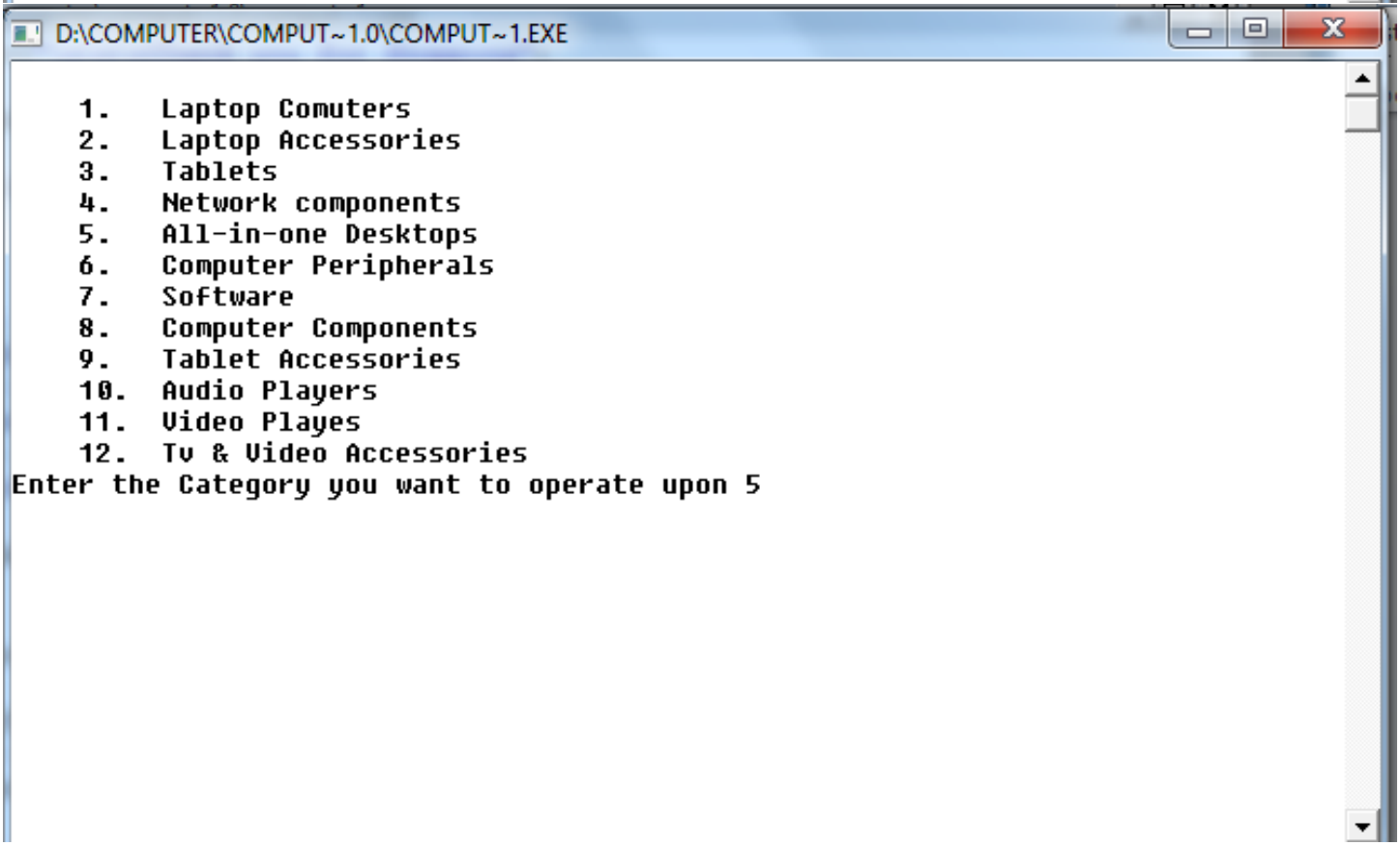

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
********** Computer Shop **********
1. Laptop Comuters
2. Laptop Accessories
3. Tablets
4. Network components
5. All-in-one Desktops
6. Computer Peripherals
7. Software
8. Computer Components
9. Tablet Accessories
10. Audio Players
11. Video Playes
12. Tv & Video Accessories
13. Billing
14. Administrator
15. Exit
Please Enter Your choice (1-15):14

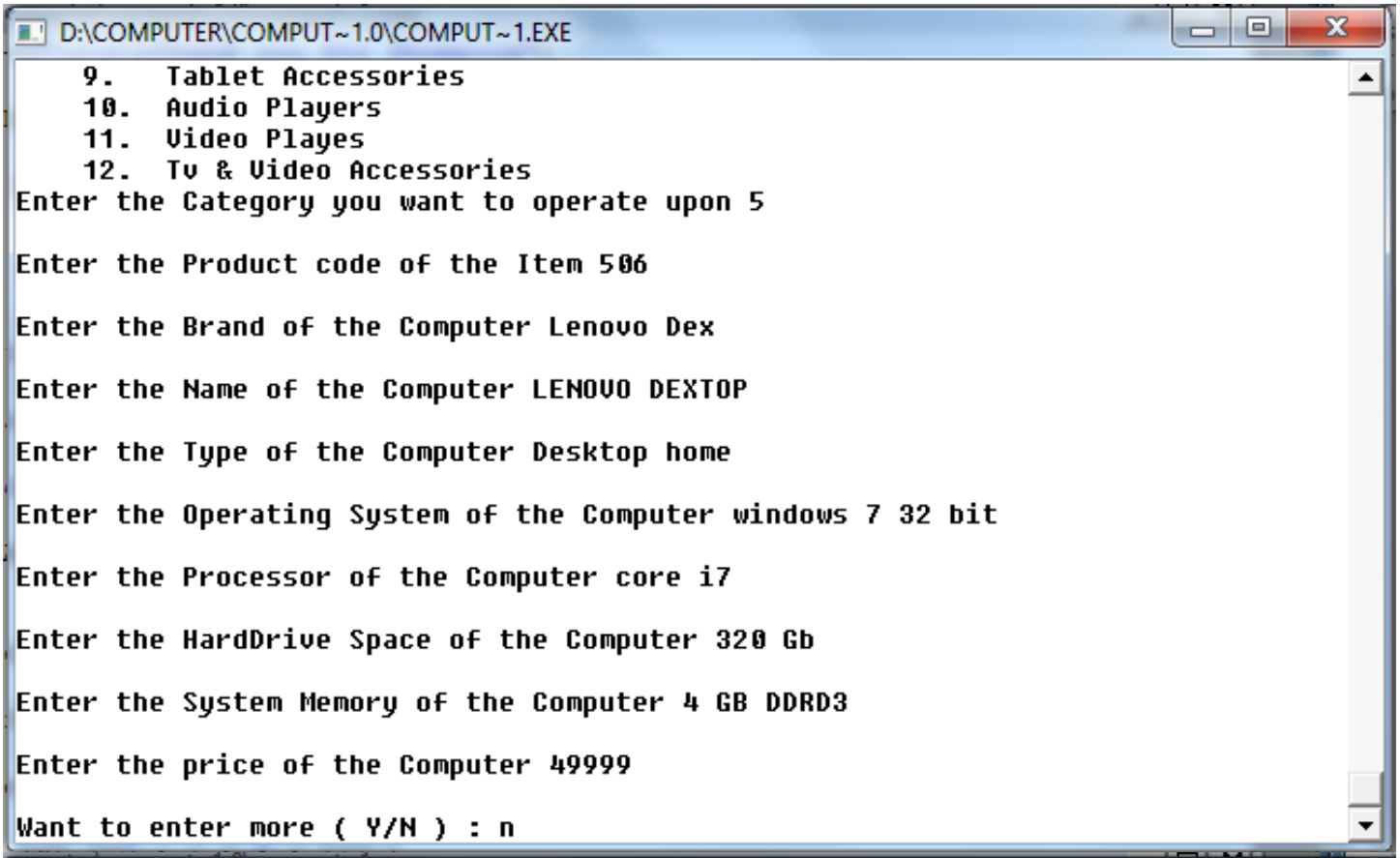

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Enter the 8 digit Password of the Shop 12345678_

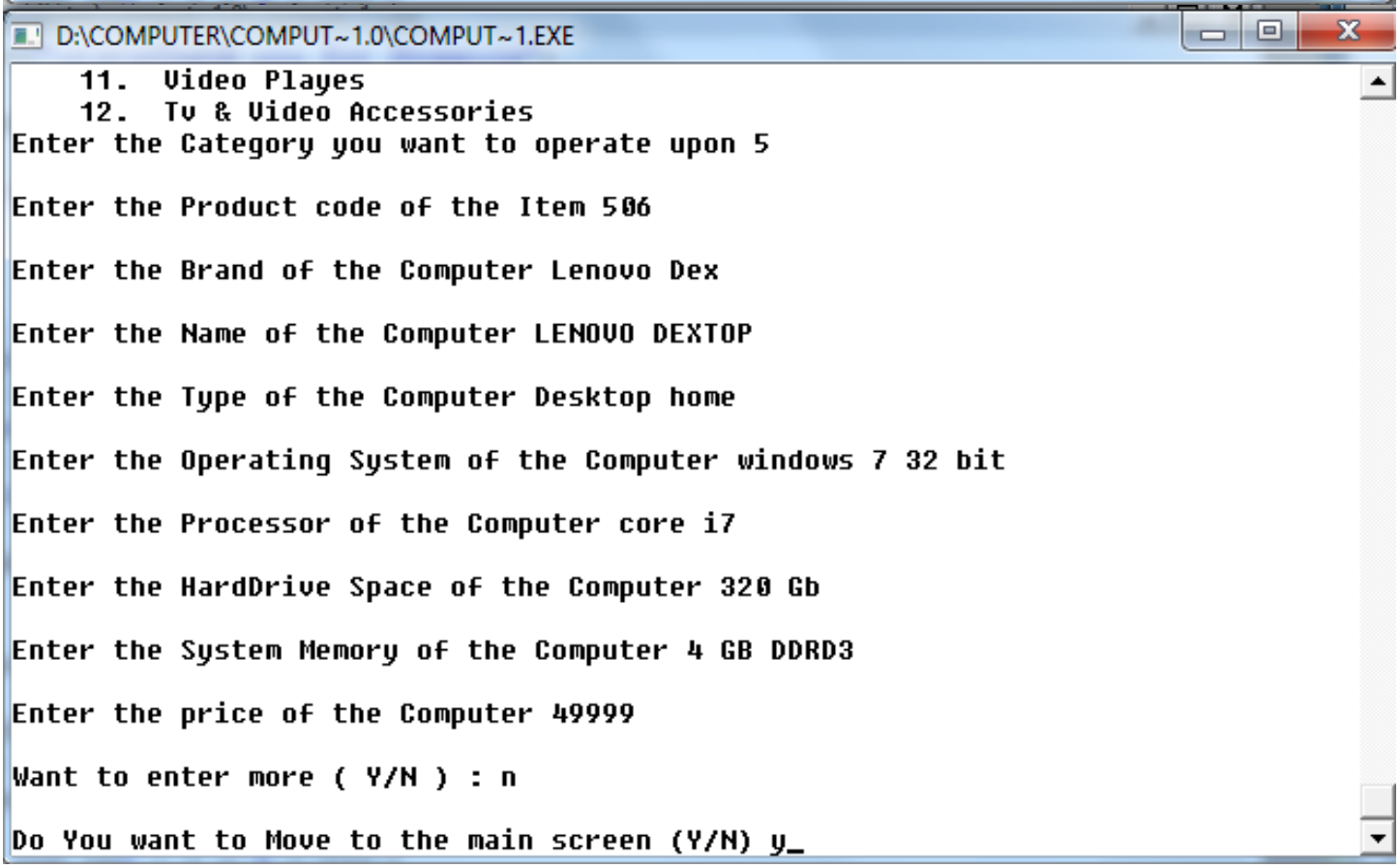

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Welcome to the Administrator Menu to create new files
1. Create New files
2. Inserting Data
Enter the option you want to Operate upon _

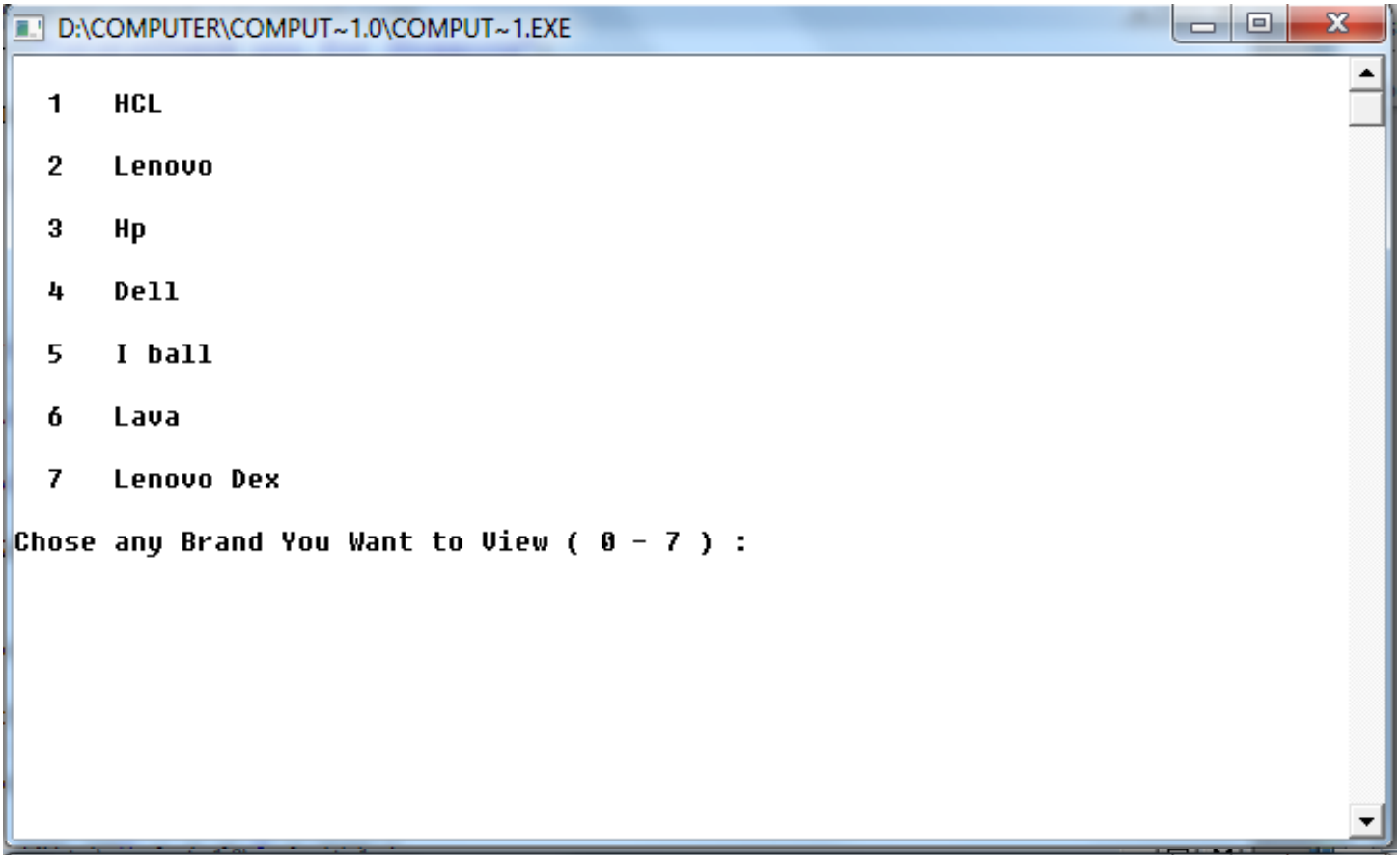

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1. Laptop Comuters
2. Laptop Accessories
3. Tablets
4. Network components
5. All-in-one Desktops
6. Computer Peripherals
7. Software
8. Computer Components
9. Tablet Accessories
10. Audio Players
11. Video Playes
12. Tv & Video Accessories
Enter the Category you want to operate upon

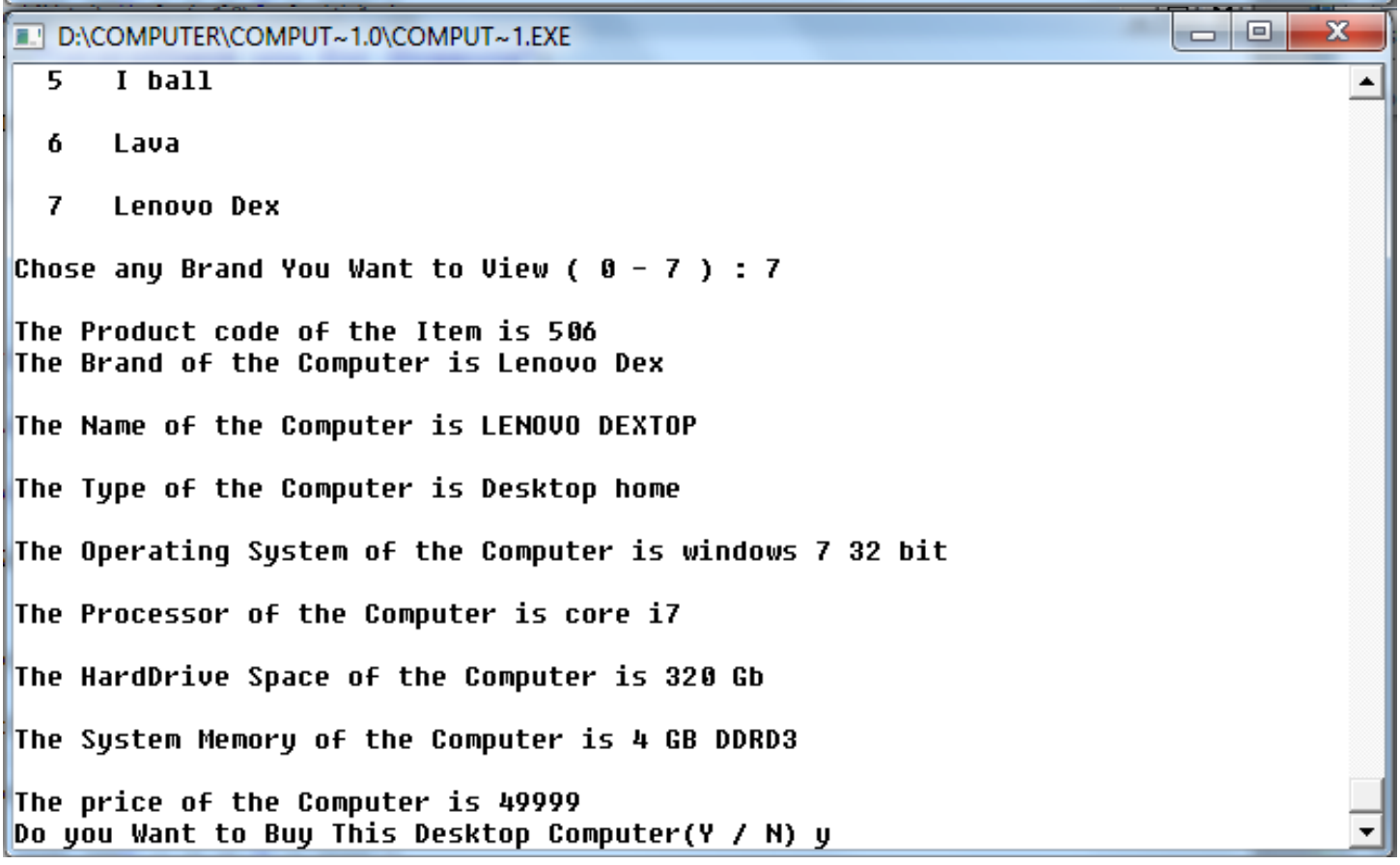

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
Welcome to the Administrator Menu to create new files
1. Create New files
2. Inserting Data
Enter the option you want to Operate upon 2_

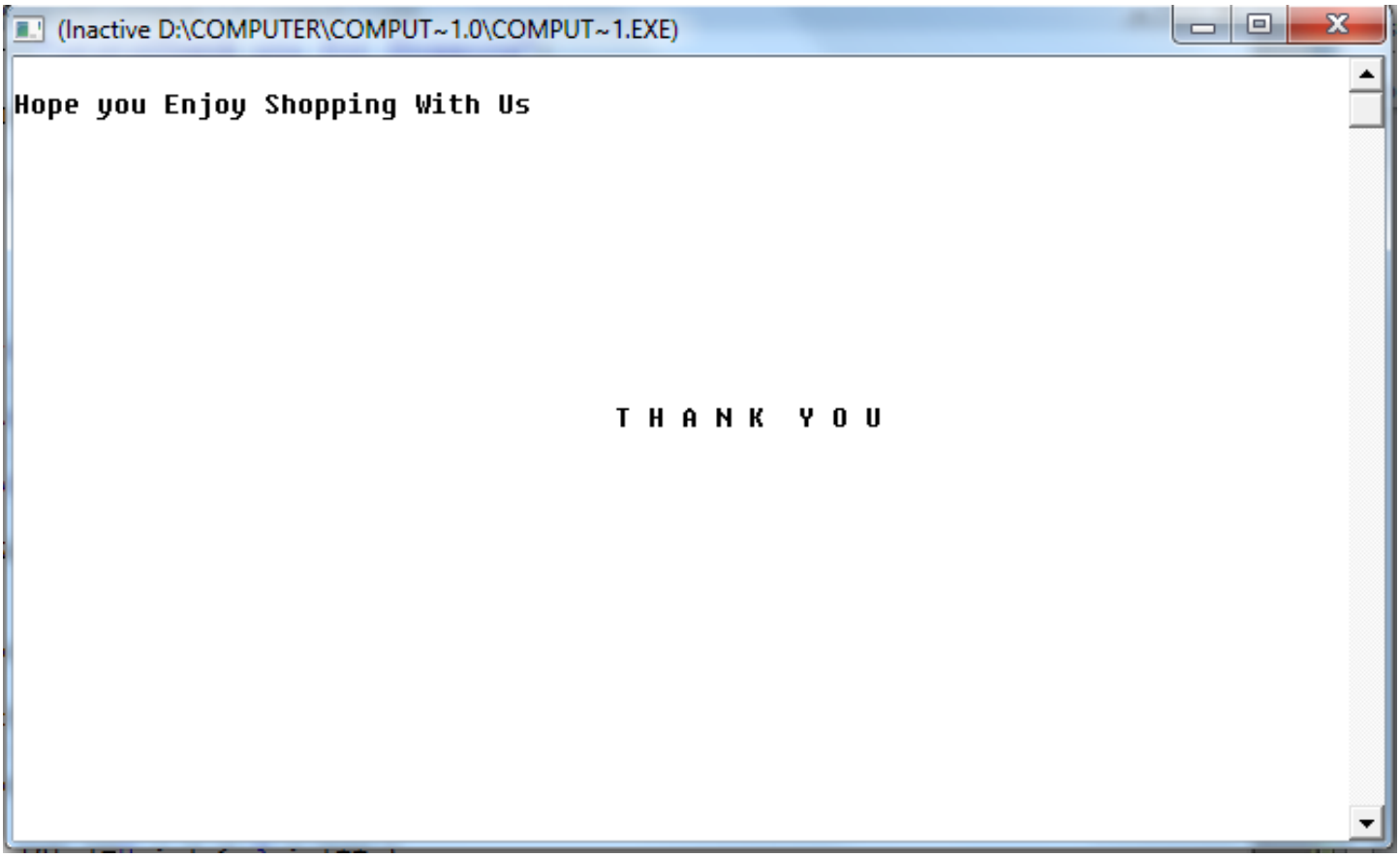

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1. Laptop Comuters
2. Laptop Accessories
3. Tablets
4. Network components
5. All-in-one Desktops
6. Computer Peripherals
7. Software
8. Computer Components
9. Tablet Accessories
10. Audio Players
11. Video Playes
12. Tv & Video Accessories
Enter the Category you want to operate upon 5


D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
9. Tablet Accessories
10. Audio Players
11. Video Playes
12. Tv & Video Accessories
Enter the Category you want to operate upon 5
Enter the Product code of the Item 506
Enter the Brand of the Computer Lenovo Dex
Enter the Name of the Computer LENOVO DEXTOP
Enter the Type of the Computer Desktop home
Enter the Operating System of the Computer windows 7 32 bit
Enter the Processor of the Computer core i7
Enter the HardDrive Space of the Computer 320 Gb
Enter the System Memory of the Computer 4 GB DDRD3
Enter the price of the Computer 49999
Want to enter more (Y/N) : n

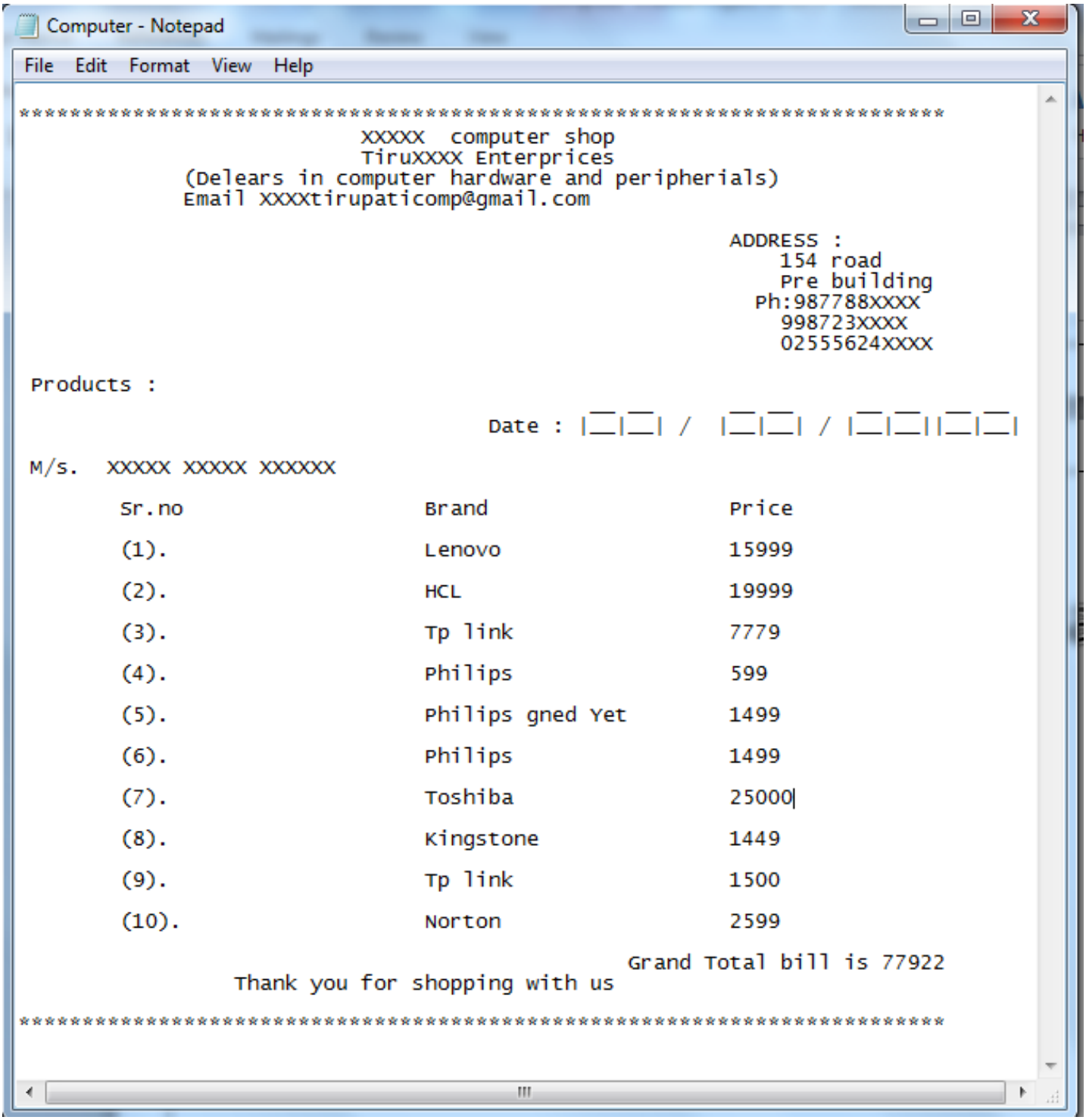

D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
11. Video Playes
12. Tv & Video Accessories
Enter the Category you want to operate upon 5
Enter the Product code of the Item 506
Enter the Brand of the Computer Lenovo Dex
Enter the Name of the Computer LENOVO DEXTOP
Enter the Type of the Computer Desktop home
Enter the Operating System of the Computer windows 7 32 bit
Enter the Processor of the Computer core i7
Enter the HardDrive Space of the Computer 320 Gb
Enter the System Memory of the Computer 4 GB DDRD3
Enter the price of the Computer 49999
Want to enter more (Y/N) : n
Do You want to Move to the main screen (Y/N) y_


D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
1 HCL
2 Lenovo
3 Hp
4 Dell
5 I ball
6 Lava
7 Lenovo Dex
Chose any Brand You Want to View (0 - 7) :


D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE
5 I ball
6 Lava
7 Lenovo Dex
Chose any Brand You Want to View (0 - 7) : 7
The Product code of the Item is 506
The Brand of the Computer is Lenovo Dex
The Name of the Computer is LENOVO DEXTOP
The Type of the Computer is Desktop home
The Operating System of the Computer is windows 7 32 bit
The Processor of the Computer is core i7
The HardDrive Space of the Computer is 320 Gb
The System Memory of the Computer is 4 GB DDRD3
The price of the Computer is 49999
Do you Want to Buy This Desktop Computer(Y / N) y


(Inactive D:\COMPUTER\COMPUT~1.0\COMPUT~1.EXE)
Hope you Enjoy Shopping With Us
T H A N K Y O U

Bill saved in the computer as a file



Computer - Notepad

File Edit Format View Help

```
**********************************************************************************
                        XXXXX  computer shop
                        TiruXXXX Enterprices
            (Delears in computer hardware and peripherials)
            Email XXXXtirupaticomp@gmail.com

                                                    ADDRESS :
                                                        154 road
                                                        Pre building
                                                    Ph:987788XXXX
                                                        998723XXXX
                                                        02555624XXXX

 Products :

                                    Date : |__|__| /  |__|__| / |__|__||__|__|

 M/s.  XXXXX XXXXX XXXXXX

        Sr.no                   Brand                   Price

        (1).                    Lenovo                  15999

        (2).                    HCL                     19999

        (3).                    Tp link                 7779

        (4).                    Philips                 599

        (5).                    Philips gned Yet        1499

        (6).                    Philips                 1499

        (7).                    Toshiba                 25000

        (8).                    Kingstone               1449

        (9).                    Tp link                 1500

        (10).                   Norton                  2599

                                                Grand Total bill is 77922
                Thank you for shopping with us
**********************************************************************************
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Bibliography

Following sites or books reffered to complete my project:-

Computer science with c++ sumit arora class12

The end


TOOLBOX
THANK
YOU