-5]Q1

```
#include <iostream>
#include <string.h>
using namespace std;
class mobile
{  int m_id;
float m_price;
char m_name[10];
public:
mobile(int id, float price, char name[])
{   m_id = id;
m_price = price;
strcpy(m_name, name);
}       void display()    {
cout << "mobile id:-" << m_id << endl;
cout << "name:-" << m_name << endl;
cout << "price:-" << m_price << endl;
}       };
int main()
{   int mid;
float price;
char name[10];
cout << "\n enter mobile id :";
cin >> mid;
cout << "\n Enter mobile price : ";
cin >> price;
cout << "\n Entr mobile name : ";
cin >> name;
mobile obj(mid, price, name);
obj.display();
return 0;  }
```

5]Q2 create a class book containing Book name author and price as a data member

```
#include <iostream>
#include <string>
using namespace std;
class Book
{   string bookName;
string author;
int price;
public:
void acceptBookInfo()   {
cout << "Enter book name: ";
cin >> bookName;
cout << "Enter author name: ";
cin >> author;
cout << "Enter price: ";
cin >> price;    }
void displayBookInfo()    {
cout << "Book Name: " << bookName << endl;
cout << "Author: " << author << endl;
cout << "Price: $" << price << endl;      }
void displayAuthorBooks(string authorName)  {
if (author == authorName)   {
displayBookInfo();    }    }
void displayPriceBooks(int targetPrice)
{    if (price == targetPrice)
{         displayBookInfo();    }   }  };
int main()
{     string s;
int num, i, choice, price, n = 0;
cout << "Enter number of books(to be input): ";
cin >> num;
```

```
Book b[num];
while (1)    {
cout << "1.Accept" << endl
<< "2.Detail by author name" << endl
<< "3.Details by price" << endl
<< "4.Exit" << endl;
cout << "Enter a choice";
cin >> choice;
switch (choice)
{
case 1:
b[n++].acceptBookInfo();
break;
case 2:
cout << "Enter author Name : ";
cin >> s;
for (i = 0; i < n; i++)
b[i].displayAuthorBooks(s);
break;
case 3:
cout << "Enter price : ";
cin >> price;
for (i = 0; i < n; i++)
b[i].displayPriceBooks(price);
break;
case 4:
exit(0);
break;   } }  return 0;}
```