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#include<iostream>
#include<stdio.h>
#include<string.h>
using namespace std;
main()
{
    static int totalCost;
    int i,j,choice,c=1,a[9],cost[9];
    for(i=0;i<9;i++)
    a[i]=0;
    char str[100];
    char items[9][100]={"Sandisk 16 GB","Mouse","Pendrive 16 GB","Adidas","Nike","sparx",
    "Mi Note 3",
    "Nokia",
    "Samsung"};
    cout<<"=====WELCOME TO UIET SHOPPING CART=====\\n";

    do{
        cout<<"-----shopping cart
        -----\\n";

        if(c==1){
            cout<<"\\nEnter\\n1 - Computer Accessories\\n2 - Shoes\\n3 - Mobiles\\nAny other number to exit\\n";
            cin>>choice;
            switch(choice)
            {
                case 1:
                {
                    int accessoriesChoice;
                    cout<<"\\nEnter your choice\\n1 - Sandisk 16 GB - Rs.355\\n2 - Mouse- Rs.500\\n3 - Pendrive 16 GB -
Rs.550\\nAny other number to exit\\n";
                    cin>>accessoriesChoice;
                    cost[0]=355;
                    cost[1]=500;
                    cost[2]=550;
                    switch(accessoriesChoice)
                    {
                        case 1:
                        {
                            int num;
                            cout<<"You choose Sandisk 16GB with Rs.355 to buy Enter 1 else any number\\n";
                            scanf("%d",&num);
                            if(num==1)
                            {
                                a[0]++;
                                totalCost+=355;
                            }
                            cout<<"Your Cost in Cart is "<<totalCost<<endl;
                            break;
                        }
                        case 2:
                        {
                            int num;
                            cout<<"You choose a Mouse with Rs.500.Enter 1 to buy else any number\\n";
                            cin>>num;
                            if(num==1)
                            {
                                a[1]++;
                                totalCost+=500;
                            }
                        }
                    }
                }
            }
        }
    }
}

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        cout<<"Your Cost in Cart is "<<totalCost<<endl;
        break;
    }
    case 3:
    {
        int num;
        cout<<"You chose Pendrive 16GB with Rs.550.Enter 1 to buy else any number\n";
        cin>>num;
        if(num==1)
        {
            a[2]++;
            totalCost+=550;
        }
        cout<<"Your Cost in Cart is "<<totalCost<<endl;
        break;
    }
    default:{
        cout<<"Exit from Computer Accesories\n";
        break;
    }
}
break;
}
case 2:
{
    int shoesChoice;
    cout<<"\nEnter your choice\n1 - Adidas - Rs.3550\n2 - Nike - Rs.5000\n3 - sparx - Rs.2800\nAny
other number to exit\n";
    cin>>shoesChoice;
    cost[3]=3550; cost[4]=5000; cost[5]=2800;
    switch(shoesChoice)
    {
        case 1:
        {
            int num;
            cout<<"You choose Adidas Shoes for Rs.3550.Enter 1 else any number\n";
            cin>>num;
            if(num==1)
            {
                a[3]++;
                totalCost+=3550;
            }
            cout<<"Your Cost in Cart is "<<totalCost<<endl;
            break;
        }
        case 2:
        {
            int num;
            cout<<"You choose Nike Shoes for Rs.5000.to buy Enter 1 else any number\n";
            cin>>num;
            if(num==1)
            {
                a[4]++;
                totalCost+=5000;
            }
            cout<<"Your Cart value is "<<totalCost<<endl;
            break;
        }
        case 3:
        {
            int num;

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    cout<<"You choose sparx Shoes for Rs.2800.to buy Enter 1 else any number\n";
    cin>>num;
    if(num==1)
    {
        a[5]++;
        totalCost+=2800;
    }
    cout<<"Your Cart value is "<<totalCost<<endl;
    break;
}
default:{
    cout<<"Exit from Shoes Category\n";
    break;
}
}
break;
}
case 3:
{
    int mobileChoice;
    cout<<"\nEnter your choice\n1 - Mi Note 3 - Rs.11000\n2 - Nokia 3 - Rs.9866\n3 - Samsung -
Rs.12800\nAny other number to exit\n";
    cin>>mobileChoice;
    cost[6]=11000; cost[7]=9866; cost[8]=12800;
    switch(mobileChoice)
    {
        case 1:
        {
            int num;
            cout<<"You choose to buy Mi Note 3 for Rs.11000.to buy Enter 1 else any number\n";
            cin>>num;
            if(num==1)
            {
                a[6]++;
                totalCost+=11000;
            }
            cout<<"Your Cart value is "<<totalCost<<endl;
            break;
        }
        case 2:
        {
            int num;
            cout<<"You choose to buy Nokia 3 for Rs.9866. to buy Enter 1 else any number\n";
            cin>>num;
            if(num==1)
            {
                a[7]++;
                totalCost+=9866;
            }
            cout<<"Your Cart value is "<<totalCost<<endl;
            break;
        }
        case 3:
        {
            int num;
            cout<<"You choose to buy Samsung for Rs.12800.to buy Enter 1 else any number\n";
            cin>>num;
            if(num==1)
            {
                a[8]++;
                totalCost+=12800;
            }
        }
    }
}

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    }
    cout<<"Your Cart value is "<<totalCost<<endl;;
    break;
}
default:{
    cout<<"Exit from Mobile Category\n";
    break;
}
}
break;
}
default:
{
    cout<<"Enter Valid Categories Choice\n";
    break;
}
}
cout<<"Id\tItems\t\t\tQuantity\t\t\tCost\n";
for(i=0;i<9;i++)
{
    if(a[i]!=0)
    {
        printf("%d\t%s\t\t%d\t\t\t%d\n",i,items[i],a[i],(cost[i]*a[i]));
    }
}
cout<<"Total Cost\t\t\t\t\t " <<totalCost<<endl;
cout<<"\nEnter your choice\n1 to Add Item\n2 to Delete Items \nAny other number to Exit\n";
cin>>c;
}
if(c==2)
{
    int id;
    cout<<"Enter id to delete a item from cart\n";
    cin>>id;
    if(id<9&&id>0){
        totalCost=totalCost-(cost[id]*a[id]);
        a[id]=0;
    }
    else{
        cout<<"Enter Valid id\n";
    }
    cout<<"Items in the cart\n";
    printf("Id\tItems\t\t\tQuantity\t\t\tCost\n");
    for(i=0;i<9;i++)
    {
        if(a[i]!=0)
        {
            printf("%d\t%s\t\t%d\t\t\t%d\n",i,items[i],a[i],(cost[i]*a[i]));
        }
    }
    cout<<"Total Cost\t\t\t\t\t " <<totalCost<<endl;
    cout<<"Enter your choice\n1 to Add Item\n2 to Delete Items \nAny other number to Exit\n";
    cin>>c;
}
}while(c==1 || c==2);
cout<<"Your Final Cost is \n" <<totalCost<<endl;
}

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