#include <stdio.h>

#include <stdlib.h>

#include <string.h>

#include <ctype.h>

struct bill

{

int id;

char prod\_name[50];

int qty;

int price;

};

struct bill b[20] = {{1, "Sandisk 16 GB ", 0, 355},

{2, "Logitech Mouse", 0, 500},

{3, "RGB keyboard ", 0, 700},

{4, "APPLE Macbook ", 0, 100000},

{5, "DELL ", 0, 50000},

{6, "Lenovo ", 0, 28000},

{7, "Iphone 11 ", 0, 50000},

{8, "Nokia 8 ", 0, 15000},

{9, "Samsung Fold ", 0, 120000},

{10, "Fastrack ", 0, 5000},

{11, "Casio ", 0, 18000},

{12, "Titan ", 0, 10000},

{13, "Sonata ", 0, 2500},

{14, "Canon ", 0, 85000},

{15, "Nikon ", 0, 65000},

{16, "Sony ", 0, 90000},

{17, "GOPRO ", 0, 25000},

{18, "Apple AirPods ", 0, 20000},

{19, "Boat Bassheads", 0, 6900},

{20, "Noise neckband", 0, 4900}};

char name[20];

int totalCost = 0;

int choice\_id;

void buy\_product()

{

printf("\nEnter quantity you want to buy : ");

scanf("%d", &b[choice\_id].qty);

totalCost += b[choice\_id].qty \* b[choice\_id].price;

printf("\nYour cart costs Rs. %d .\n", totalCost);

}

void add\_product()

{

int extra\_qty;

printf("\nEnter quantity you want to buy more : ");

scanf("%d", &extra\_qty);

b[choice\_id].qty += extra\_qty;

totalCost += extra\_qty \* b[choice\_id].price;

printf("\nYour cart costs Rs. %d .\n", totalCost);

}

void delete\_product()

{

int extra\_qty;

printf("\nEnter quantity you want to remove : ");

scanf("%d", &extra\_qty);

b[choice\_id].qty -= extra\_qty;

totalCost -= extra\_qty \* b[choice\_id].price;

printf("\nYour cart costs Rs. %d .\n", totalCost);

}

void print\_bill()

{

totalCost = 0;

printf("%s's cart\n", name);

printf("Id\t\t\tProduct Name\t\t\tQuantity\t\tTotal Cost\n\n");

for (int i = 0; i < 20; i++)

{

if (b[i].qty != 0)

{

int cost = b[i].qty \* b[i].price;

printf("%d\t\t\t%s\t\t\t%d\t\t\t%d\n", b[i].id, b[i].prod\_name, b[i].qty, cost);

totalCost += cost;

}

}

if (totalCost > 100000 && totalCost <= 199999)

totalCost -= 0.1 \* totalCost;

else if (totalCost > 200000)

totalCost -= 0.2 \* totalCost;

printf("\n\nYour total bill is : Rs. %d \n", totalCost);

}

int main()

{

printf(" ==================================== \n");

printf(" ONLINE ELECTRONIC STORE \n");

printf(" ==================================== \n\n");

printf("Please Enter Your Name - ");

scanf("%s", name);

for (int i = 0; i < strlen(name); i++)

name[i] = toupper(name[i]);

int choice;

printf("\nHello %s, Welcome to our Online Store .\n\n", name);

do

{

printf("\t\t------------->MENU<-------------\n");

printf("1->Buy a product!\n2->Add a product!\n3->Delete a product!\n4->Print the bill!\n0->Exit the Program!\nPlease give your choice : ");

scanf("%d", &choice);

int temp;

if (choice == 1 || choice == 2 || choice == 3)

{

printf("\t\t------------->MENU<-------------\n");

printf("ID\t\t\tProduct Name\t\t\tPrice\n\n");

for (int i = 0; i < 20; i++)

printf("%d\t\t\t%s\t\t\t%d\n", b[i].id, b[i].prod\_name, b[i].price);

printf("\n10%%discount will be applied if total amount is above Rs.1 Lakh!\n");

printf("\n20%%discount will be applied if total amount is above Rs.2 Lakh!\n");

printf("\nPlease enter your choice - ");

scanf("%d", &temp);

choice\_id = temp - 1;

printf("\nYou chose %s with price Rs. %d .", b[choice\_id].prod\_name, b[choice\_id].price);

}

switch (choice)

{

case 1:

buy\_product();

break;

case 2:

add\_product();

break;

case 3:

delete\_product();

break;

case 4:

print\_bill();

exit(4);

break;

case 0:

exit(0);

break;

default:

printf("Wrong choice !!");

break;

}

} while (choice != 0);

}