Name: Mandeep Singh

Registration no: 12103866

College: Lovely Professional University Phagwara, Punjab.

Year of passing: 2023

Email id: [ms288024@gmail.com](mailto:ms288024@gmail.com)

Mobile no : 9469044318

#include <iostream>

using namespace std;

int main() {

int product[4] = {1100, 900, 200, 100};

int discount;

for(int i=0;i<sizeof(product)/4;i++){

if(product[i]>500){

discount = (product[i]/100)\*5;

product[i] = product[i] - discount;

}

}

for(int i=0;i<sizeof(product)/4;i++){

product[i]\*=i+1;

}

int GST[4];

int GSTAmount[4] = {18,12,28,0};

for(int i=0;i<sizeof(GSTAmount)/4;i++){

if(GSTAmount[i]==0){

GST[i]=0;

}else{

GST[i] = (product[i]/100)\*GSTAmount[i];

}

}

int totalAmount=0;

for(int i=0;i<sizeof(product)/4;i++){

totalAmount+=product[i]+GST[i];

}

cout<<"Total Amount to Be Paid to the Shopkeeper is: "<<totalAmount<<endl;

int maxDiscount = GST[0];

int position = 0;

for (int i = 1; i < sizeof(GST)/4; i++){

if (GST[i] > maxDiscount){

maxDiscount = GST[i];

position = i;

}

}

if(position==0){

cout<<"We Have Paid Max GST for Wallet: "<<GST[0];

}else if(position==1){

cout<<"We Have Paid Max GST for Umbrella: "<<GST[1];

}else if(position==2){

cout<<"We Have Paid Max GST for Cigarette: "<<GST[2];

}else if(position==3){

cout<<"We Have Paid Max GST for Honey: "<<GST[3];

}else{

cout<<"We Have Paid Same GST for All";

}

return 0;

}