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#include <bits/stdc++.h>

using namespace std;

struct cart{

string pro\_name;

double unit\_price;

double gst;

double quantity;

cart(string pname,double unitpr,double gst,double quan){

this->unit\_price=unitpr;

this->pro\_name=pname;

this->gst=gst;

this->quantity=quan;

}

};

int main() {

cart c1("leather wallet",1100,18,1);

cart c2("umbrella",900,12,4);

cart c3("cigaratte",200,28,3);

cart c4("honey",100,0,2);

vector<cart>items={c1,c2,c3,c4};

double maxi\_gst=INT\_MIN;

string max\_gst\_pro\_name="";

double tot\_amt=0;

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

double curr\_unitprice = items[i].unit\_price;

if(curr\_unitprice >= 500)

items[i].unit\_price=curr\_unitprice-(items[i].unit\_price/100)\*5;

double curr\_pro\_gst=(items[i].unit\_price/100)\*items[i].gst\*items[i].quantity;

if(maxi\_gst < curr\_pro\_gst){

maxi\_gst=curr\_pro\_gst;

max\_gst\_pro\_name=items[i].pro\_name;

}

tot\_amt+=curr\_pro\_gst+items[i].unit\_price\*items[i].quantity;

}

cout<<"Maximum gst product name = "<<max\_gst\_pro\_name<<" And the maximum gst amount is "<< maxi\_gst;

cout<<endl<<"Total price paid to the shopkepper = "<<tot\_amt;

return 0;

}