IM/2019/062

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Assignment No-01

Due date- Monday, 23 August 2021

**Flow Chart**

End

Display  
5000-no. of 5000 notes  
2000- no. of 2000 notes  
1000-no. of 1000 notes  
500-no. of 500 notes  
100-no. of 100 notes  
50-no. of 50 notes  
20-no. of 20 notes  
10-no. of 10 coins  
5-no. of 5 coins  
2-no. of 2 coins  
1-no. of 1 coins

No of 1 coins=balance/1

Balance%=1

No of 2 coins=balance/2

Balance%=2

No. of 5 coins=balance/5

Balance%=5

No. of 10 coins=balance/10

Balance%=10

No. of 5000 notes=balance/5000

Balance%=5000

No. of 20 notes=balance/20

Balance%=20

No. of 50 notes=balance/50

Balance%=50

No. of 100 notes=balance/100

Balance%=100

No. of 500 notes=balance/500

Balance%=500

No. of 1000 notes=balance/1000

Balance%=1000

No. of 2000 notes=balance/2000

Balance%=2000

Print balance

Change/balance=t-P

Get the amount of cash tendered t

Get the amount of purchase P

Start

#include<iostream>  
using namespace std;  
int main()  
{  
 //defining, purchase-amount of purchase, tendered-amount of cash tendered, balance-balance money

int purchase, tendered, balance

// defining, number of bills/notes and coins

Int bill-5000,bill-2000,bill-1000,bill-500,bill-100,bill-50,bill-20;

Int coin-10,coin-5,coin-2,coin-1;

//getting user inputs, assign them and output the ‘balance’

count<<”Please enter the amount of purchase..”<<endl;

cin>>purchase;

cout<<”Please enter the amount of cash tendered..”<<endl;

cin>>tendered;

balance=tendered-purchase;

cout<<”Balance is”<<balance<<endl;

//calculations for the final result, calculate how many numbers of notes/coins from each  
 bill-5000=balance/5000;  
 balance%=5000;  
 bill-2000=balance/2000;  
 balance%=2000;  
 bill-1000=balance/1000;  
 balance%=1000;  
 bill-500=balance/500;  
 balance%500=500;  
 bill-100=balance/100;  
 balance%=100;  
 bill-50=balance/50;  
 balance%=50;  
 bill-20=balance/20;  
 balance%=20  
 coin-10=balance/10;  
 coin-5=balance/5;  
balance%=5;  
coin-2=balance/2;  
balance%=2;  
coin-1=balance/1;  
balance%=1  
//user sees how many notes and coins he/she should collect

cout<<”5000 notes-“<<bill-5000<<endl;  
cout<<”2000 notes-“<<bill-2000<<endl;  
cout<<”1000 notes-“<<bill-1000<<endl;  
cout<<”500 notes-“<<bill -500<<endl;  
cout<<”100 notes-“<<bill-100<<endl;  
cout<<”50 notes-“<<bill-50<<endl;  
cout<<”20 notes-“<<bill-20<<endl;  
cout<<”10 coin-“<<bill-10<<endl;  
cout<<”5 coin-“<<bill-5<<endl;  
cout<<”2 coin-“<<bill-2<<endl;  
cout<<”1 c0in-“<<bill-1<<endl;

return 0;

}