IM/2019/062

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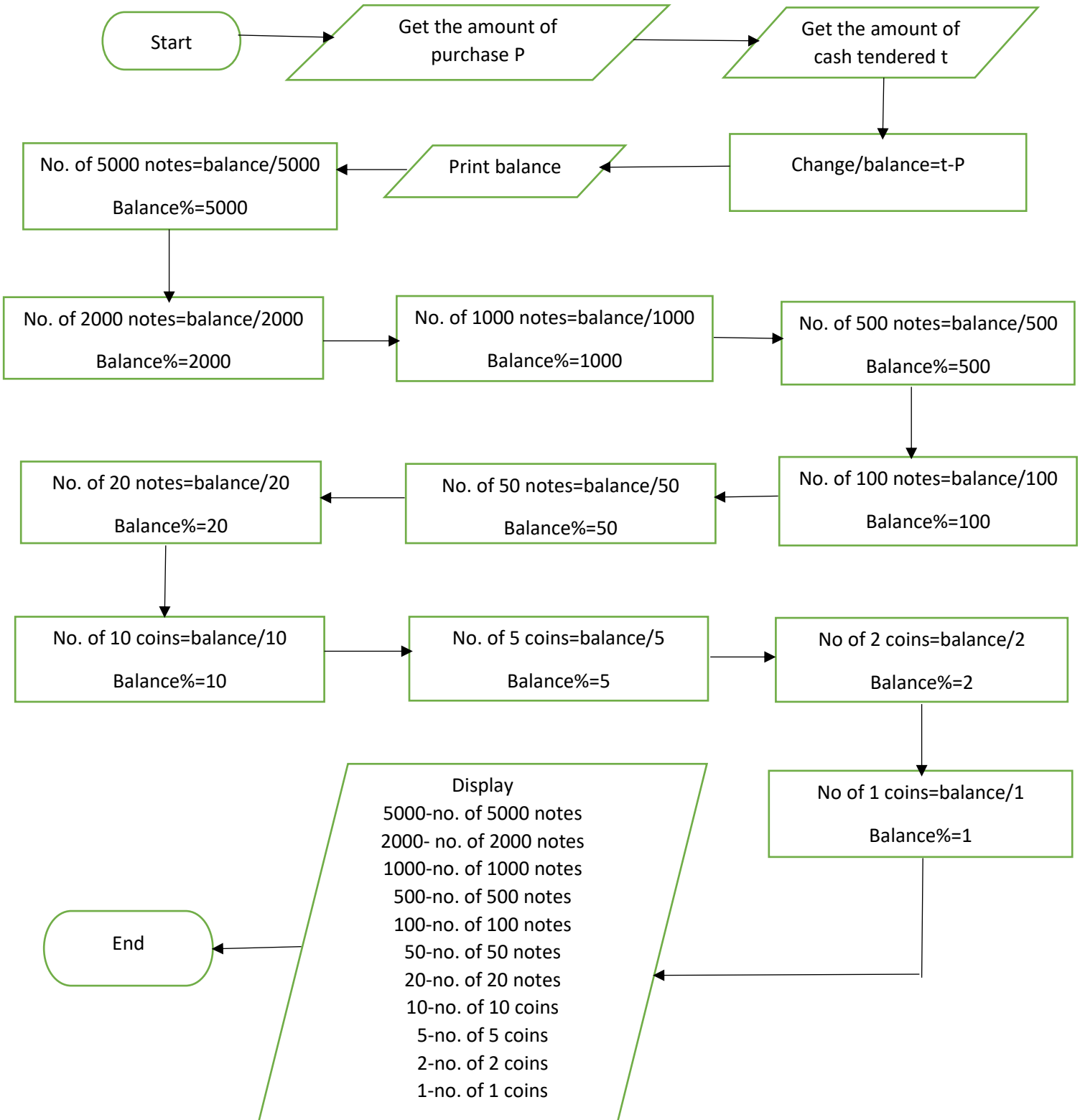
Assignment No-01

Due date- Monday, 23 August 2021

Flow Chart



```
#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;

}
```