// freelancing\_assignment.cpp : Defines the entry point for the console application.

//

#include "stdafx.h"

#include <iostream>

using namespace std;

void printBills(int\*, int\*); //This function prints all the withdrawls

int main()

{

int noOfBills[5]; //Stores the total bills

int withdrawAmount[5] = { 50,20,10,5,1 }; //stores withdraw amounts

int input = 0; //decalring a variable to take withdrawl amount from the user

char c; //variable declared to take yes or no input from the user after one transaction/withdrawl is done

do {

do { // This do while loops takes the withdrawl amount from the user and ensures that it is in the given range

cout << "Enter the amount to be withdrawn. You can withdraw amount from $1 upto $300 only: ";

cin >> input;

} while (input < 1 || input>300);

//$50, $20, $10, $5 and $1

int a = input;

//This for loop calculates the total bills

for (int i = 0; i < 5; i++) {

noOfBills[i] = a / withdrawAmount[i];

a = a % withdrawAmount[i];

}

printBills(noOfBills, withdrawAmount); //calls an external function which will print the multiple bills

cout << "Another withdrawl? Enter Y to continue:"; //asks user if they want to make another withdrawl

cin >> c;

}

while (c != 'n'); //while loop ends here

return 0;

}

void printBills(int\* myarray, int\*with) { //This function prints the multiple bills

int\*bills = new int[5]; //stores total bills

bills = myarray;

int\*withdraw = new int[5]; //stores withdrwal amount

withdraw = with;

for (int i = 0; i < 5; i++) {//prints multiple bills using for loop

if (bills[i] != 0) {

cout << "No of " << withdraw[i] << " bills=" << bills[i] << endl;

}

}

}