// 3 Types of Functions

#include <iostream>

// this programs uses three functions to show

// you can return nothing, use input from main, or return a value

using namespace std;

void returnnothing ();

void inputfrommain (int c, int d);

int returnsum();

int main()

{

int c,d, sum;

//function sums a,b, 32 and 47

returnnothing ();

//prep for upcoming fucntion

c = 8;

d = 8;

inputfrommain (c,d);

sum = returnsum();

cout <<"the sum of the third functions is ";

cout <<sum;

return 0;

}

//function does stuff but returns nothing back to int main

//function sums a,b, 32 and 47

void returnnothing (){

int a, b, c, d, sum;

cout <<"this program prints the sum";

cout <<"of 7,7,a and b\n";

cout <<"please enter variable a \n";

cin >>a;

cout <<"\n";

cout <<"please enter variable b\n";

cin >>b;

cout <<"\n";

c = 7;

d = 7;

sum = a+b+c+d;

cout <<"sum is the following ";

cout << sum;

cout << "\n\n";

}

// this function uses variables declared in int main

void inputfrommain (int c, int d){

int a, b, sum;

cout <<"this program prints the sum";

cout <<"of 8,8,a and b\n";

cout <<"please enter variable a \n";

cin >>a;

cout <<"\n";

cout <<"please enter variable b\n";

cin >>b;

cout <<"\n";

sum = a+b+c+d;

cout <<"sum is the following ";

cout << sum;

cout << "\n\n";

}

// this function returns the value sum into int main

int returnsum(){

int a, b, c, d, sum;

cout <<"this program prints the sum";

cout <<"of 7,7,a and b\n";

cout <<"please enter variable a \n";

cin >>a;

cout <<"\n";

cout <<"please enter variable b\n";

cin >>b;

cout <<"\n";

c = 7;

d = 7;

sum = a+b+c+d;

// cout <<"sum is the following ";

// cout << sum;

// cout << "\n\n";

return sum;

}