#include<iostream.h>

#include<conio.h>

void swap1(int a,int b) //swap1() Function Defination.

{

int t;

t=a; //swap1() Function Body.

a=b;

b=t;

cout<<"\n After swaping the values are: ";

cout<<"\n"<<" A= "<<a;

cout<<"\n"<<" B= "<<b;

}

void swap2(int&a,int&b) //swap2() Function Defination.

{

a=a+b;

b=a-b; //swap2() Function Body.

a=a-b;

}

void main()

{

clrscr();

void swap1(int,int); //Functions Prototype Declaration.

void swap2(int&,int&);

int choice,a,b;

cout<<"\n \*\*\*\*\*MENU\*\*\*\*\*";

cout<<"\n Press 1 to use Call by Value Function.";

cout<<"\n Press 2 to use Call by Refrence Function.";

cout<<"\n Enter your choice: ";

cin>>choice;

switch(choice)

{

case 1:clrscr();

cout<<"\n Enter two numbers: ";

cin>>a>>b;

cout<<"\n Values before swaping: ";

cout<<"\n A= "<<a;

cout<<"\n B= "<<b;

swap1(a,b); //swap1() Function is Invoked.

break;

case 2:clrscr();

cout<<"\n Enter two numbers: ";

cin>>a>>b;

cout<<"\n Values before swaping: ";

cout<<"\n A= "<<a;

cout<<"\n B= "<<b;

swap2(a,b); //swap2() Function is Invoked.

cout<<"\n After swaping the values are: ";

cout<<"\n A= "<<a;

cout<<"\n B= "<<b;

break;

default:cout<<"\n Invalid number.";

break;

}

getch();

}