#include<iostream.h>

#include<conio.h>

void swap1(int a, int b)

{

int c=a;

a=b;

b=c;

cout<<"\n Now X="<<a<<" and Y= "<<b;

}

void swap2(int &a,int &b)

{

int c=a;

a=b;

b=c;

}

void swap3(int \*a,int \*b)

{

int c=\*a;

\*a=\*b;

\*b=c;

}

void main()

{

clrscr();

int ch;

int x,y;

cout<<"\n Enter first No.: ";

cin>>x;

cout<<"\n Enter second No.: ";

cin>>y;

cout<<"\n Press 1 to use call by value swap.";

cout<<"\n Press 2 to use call by reference swap.";

cout<<"\n Press 3 to use pointer swap.";

cin>>ch;

switch(ch)

{

case 1:clrscr();

cout<<"\n Original value";

cout<<"\n X= "<<x<<" and Y= "<<y;

swap1(x,y);

break;

case 2:clrscr();

cout<<"\n Original value";

cout<<"\n X= "<<x<<" and Y= "<<y;

swap2(x,y);

cout<<"\n Now X= "<<x<<" and Y="<<y;

break;

case 3:clrscr();

cout<<"\n Original value";

cout<<"\n X= "<<x<<" and Y= "<<y;

swap3(x,y);

cout<<"\n Now X= "<<x<<" and Y="<<y;

break;

default:cout<<"\n Tnvalid choice: ";

}

getch();

}