#include<iostream>

using namespace std;

void swap(int &ix,int &iy);

void swap(float &fx,float &fy);

void swap(char &cx,char &cy);

int main()

{

int ix,iy;

float fx,fy;

char cx,cy;

cout<<"Enter 2 integers:";

cin>>ix>>iy;

cout<<"Enter 2 floating point no:s:";

cin>>fx>>fy;

cout<<"Enter 2 characters:";

cin>>cx>>cy;

cout<<"\nIntegers:";

cout<<"\nix="<<ix<<"\niy="<<iy;

swap(ix,iy);

cout<<"\nAfter swapping";

cout<<"\nix="<<ix<<"\niy="<<iy;

cout<<"\nFloating point no:s";

cout<<"\nfx="<<fx<<"\nfy="<<fy;

swap(fx,fy);

cout<<"\nAfter swapping";

cout<<"\nfx="<<fx<<"\nfy="<<fy;

cout<<"\nCharacters";

cout<<"\ncx="<<cx<<"\ncy="<<cy;

swap(cx,cy);

cout<<"\nAfter swapping";

cout<<"\ncx="<<cx<<"\ncy="<<cy;

return 0;

}

void swap(int &a,int &b)

{

int temp;

temp=a;

a=b;

b=temp;

}

void swap(float &a, float &b)

{

float temp;

temp=a;

a=b;

b=temp;

}

void swap(char &a, char &b)

{

char temp;

temp=a;

a=b;

b=temp;

}