**Write a program to swap two variables values with and without using third variables.**

**#include<stdio.h>//3 variables**

**#include<conio.h>**

**int main()**

**{**

**int a,b,c;**

**printf("Enter two number:\t");**

**scanf("%d%d",&a,&b);**

**printf("Before swapping a= %d and b= %d\n",a,b);**

**c=a;**

**a=b;**

**b=c;**

**printf("After swapping a= %d and b= %d",a,b);**

**return 0;**

**}**

**#include<stdio.h>//2 variables**

**#include<conio.h>**

**int main()**

**{**

**int a,b;**

**printf("Enter any two number:\t");**

**scanf("%d%d",&a,&b);**

**printf("\nBefore swapping a= %d and b= %d",a,b);**

**a=a+b;**

**b=a-b;**

**a=a-b;**

**printf("\nAfter swapping a= %d and b= %d",a,b);**

**return 0;**

**}**