Q. WRITE APROGRAM TO SWAP TWO VARIABLES WITHOUT USINGA 3RD VARAIBLE.

A. #include<stdio.h>

int main()

{

int a,b;

a=b=0;

printf("Enter two integers:");

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

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

a = a + b; // a now holds the sum of original a and b

b = a - b; // b now holds the original value of a (sum - original b)

a = a - b; // a now holds the original value of b (current a - original a)

printf("After swapping: a = %d, b = %d\n", a, b);

return 0;

}

OUTPUT:

