

17] Write a program to swap the values of two variables without using temporary variable.

```
#include <stdio.h>
void main()
{
    int a, b;
    clrscr();
    printf("\nEnter values for a and b:");
    scanf("%d %d", &a, &b);
    printf("\n\n\n values of a and before swap are:");
    printf("\na = %d \nb = %d", a, b);
    a = a + b;
    b = a - b;
    a = a - b;
    printf("\n\n\n values of a and after swap are:");
    printf("\na = %d \nb = %d", a, b);
    getch();
}
```

II Method

18]

```
#include <stdio.h>
```

```
void main()
```

```
{
```

```
int a, b;
```

```
clrscr();
```

```
printf("\nEnter values for a and b:");
```

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

```
printf("\n\n\n values of a and before swap are:");
```

```
printf("\na = %d \nb = %d", a, b);
```

```
a = a * b;
```

```
b = a / b;
```

```
a = a / b;
```