

```
1 #include<stdio.h>
2 int main()
3 {
4 int num1,num2,x;
5 printf("enter two numbers:");
6 scanf("%d%d", &num1,&num2);
7 x=num1;
8 num1=num2;
9 num2=x;
10 printf("first number=%d and second number =%d",num1,num2);
11 return 0;
```

```
enter two numbers:1 2
first number=2 and second number =1
[Process completed - press Enter]
```

```
1 #include <stdio.h>
2
3 int main() {
4     int num1, num2;
5     printf("Enter first number: ");
6     scanf("%d", &num1);
7     printf("Enter second number: ");
8     scanf("%d", &num2);
9     num1 = num1 + num2;
10    num2 = num1 - num2;
11    num1 = num1 - num2;
12    printf("After swapping:\n");
13    printf("First number: %d\n", num1);
14    printf("Second number: %d\n", num2);
15
16    return 0;
```

```
Enter first number: 1
Enter second number: 2
After swapping:
First number: 2
Second number: 1
```

```
[Process completed - press Enter]
```

```
1 #include <stdio.h>
2 int main() {
3     int num;
4     printf("Enter a number: ");
5     scanf("%d", &num);
6     if (num % 2 == 0) {
7         printf("%d is an even number", num);
8     } else {
9         printf("%d is an odd number", num);
10    }
11    return 0;
```

```
Enter a number: 5
5 is an odd number
[Process completed - press Enter]
```

```
1 #include <stdio.h>
2
3 int main() {
4     int a, b, c, d, e;
5     printf("Enter values for a, b, c, d, and e: ");
6     scanf("%d %d %d %d %d", &a, &b, &c, &d, &e);
7     printf("1. Result of a + b - c + d: %d\n", a + b - c + d);
8     printf("2. Result of a * b / c + d: %d\n", a * b / c + d);
9     printf("3. Result of 1 + a * b %% c: %d\n", 1 + a * b % c);
10    printf("4. Result of a + d %% b - c: %d\n", a + d % b - c);
11    return 0;
12 }
```

```
Enter values for a, b, c, d, and e: 1 2 3 4 5
1. Result of a + b - c + d: 4
2. Result of a * b / c + d: 4
3. Result of 1 + a * b % c: 3
4. Result of a + d % b - c: -2
```

```
[Process completed - press Enter]
```