

Example 1 - formatted output

```
#include <stdio.h>

void main()
{
    long int i=1234567890;
    double a=123456.123456789;

    /* default rule */
    printf("A: %ld\n", i);
    /* Minimal size of the field 20 */
    printf("B: %20ld\n", i);
    /* Precision - minimal number
       of digits 15 */
    printf("C: %20.15ld\n", i);
    /* Printed result left-justified */
    printf("D: %-20.15ld\n", i);
    /* precision entered as a parameter;
       Printed result left-justified */
    printf("DD: %-20.*ld\n", 10, i);

    /* default rule */
    printf("E: %f\n", a);
    /* Minimal size of the field 20 */
    printf("F: %20f\n", a);
    /* Precision - number of decimal digits
       following decimal point */
    printf("G: %20.15f\n", a);
    /* Left-justified output */
    printf("G: %-20.15f\n", a);
    /* Decimal part and mantissa */
    printf("H: %20.15e\n", a);
    printf("I: %-20.15e\n", a);
    /* Switching format */
    printf("J: %20.15g\n", a);
    printf("K: %-20.15g\n", a);
    printf("L: %-*.*g\n", 20, 15, a);
}
```

Sample program results

```
A: 1234567890
B:          1234567890
C:          000001234567890
D: 000001234567890
DD: 1234567890
E: 123456.123457
F:          123456.123457
G: 123456.123456789006000
G: 123456.123456789006000
H: 1.234561234567890e+05
I: 1.234561234567890e+05
J:          123456.123456789
K: 123456.123456789
L: 123456.123456789
```

Example 2 - input example

```
#include <stdio.h>

void main()
{
    int a,b,i;
    long int n;

    printf("Enter the number of entries records: ");
    scanf("%2ld", &n);
    printf("\n");

    for (i=0; i<n; i++) {
        printf("Enter two integer numbers: \n");
        scanf("%4d %2d", &a, &b);
        printf("%d %d\n", a, b);
    }

    fflush(stdin);
    scanf("%4d %2d", &a, &b);
    printf("%d %d\n", a, b);
}
```

Program data

```
5
12345678
1
12 3456789
1 234
123456
```

Results:

```
Enter the number of entries records:
Enter two integer numbers:
1234 56
Enter two integer numbers:
78 1
Enter two integer numbers:
12 34
Enter two integer numbers:
5678 9
Enter two integer numbers:
1 23
1234 56
```