Int x[10]

X is a 1D array of 10 elements 1 row, 10 columns.

—------------------------------- x —----------------------

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

0 1 2 3 4 5 6 7 8 9

Int x[4][3]

X is a 2D array of 4 row and 3 columns

< columns >

| x[0][0] | x[0][1] | x[0][2] |
| --- | --- | --- |
| x[1][0] | x[1][1] | x[1][2] |
| x[2][0] | x[2][1] | x[2][2] |
| x[3][0] | x[3][1] | x[3][2] |

**Range of INT:**

**-2147483648 to 2147483647**

With format specifier we can also define the length

Like %d whatever we will assign it will place

But if we write %5d then it will allocate place upto 5 digit.

printf(%d”, 100);

printf(%5d”, 100);

Output

100

\_\_100 (Space)

#include<stdio.h>

int main()

{

int x,y;

x = 100;

y = 2345;

printf("%d\n", x);

printf("%d\n", y) ;

printf("\n") ;

printf("\n") ;

printf("%12d\n", x) ;

printf("%12d\n", y) ;

return 0;

}

Output

100

2345

100

2345