



code. compile. run. debug. share.

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62.1K

Language C

♥ Call Stack

#	Function	File:Line
---	----------	-----------

♥ Local Variables

Variable	Value
----------	-------

Registers

Register	Value
----------	-------

♥ Display Expressions

Expression	Value
------------	-------

Enter expression to watch

♥ Breakpoints and Watchpoints

#	Description
---	-------------

```
++a = 11
--b = 99
++c = 11.500000
--d = 99.500000
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```

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main.c

Run

Debug

Stop

Share

Save

{ } Beautify

Language C

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Code, Compile, Run and Debug C program online.

Write your code in this editor and press "Run" button to compile and execute it.

*****/

#include <stdio.h>

int main()

{

int a = 5, b = 5, c = 10;

printf("%d == %d is %d \n", a, b, a == b);

printf("%d == %d is %d \n", a, c, a == c);

printf("%d > %d is %d \n", a, b, a > b);

printf("%d > %d is %d \n", a, c, a > c);

printf("%d < %d is %d \n", a, b, a < b);

printf("%d < %d is %d \n", a, c, a < c);

printf("%d != %d is %d \n", a, b, a != b);

printf("%d != %d is %d \n", a, c, a != c);

printf("%d >= %d is %d \n", a, b, a >= b);

printf("%d >= %d is %d \n", a, c, a >= c);

printf("%d <= %d is %d \n", a, b, a <= b);

printf("%d <= %d is %d \n", a, c, a <= c);

return 0;

}

input

5 >= 5 is 1

5 >= 10 is 0

5 <= 5 is 1

5 <= 10 is 1

...Program finished with exit code 0

ENTER to exit console.

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main.c

```
1 #include <stdio.h>
2 int main()
3 {
4     int a = 5, b = 5, c = 10, result;
5     result = (a == b) && (c > b);
6     printf("(a == b) && (c > b) is %d \n", result);
7     result = (a == b) && (c < b);
8     printf("(a == b) && (c < b) is %d \n", result);
9     result = (a == b) || (c < b);
10    printf("(a == b) || (c < b) is %d \n", result);
11    result = (a != b) || (c < b);
12    printf("(a != b) || (c < b) is %d \n", result);
13    result = !(a != b);
14    printf("!(a != b) is %d \n", result);
15    result = !(a == b);
16    printf("!(a == b) is %d \n", result);
17    return 0;
18 }
```

input

```
(a == b) && (c > b) is 1
(a == b) && (c < b) is 0
(a == b) || (c < b) is 1
(a != b) || (c < b) is 0
!(a != b) is 1
!(a == b) is 0

...Program finished with exit code 0
Press ENTER to exit console.
```

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main.c

```
1 #include <stdio.h>
2 main()
3 {
4     printf("    short int is %2d bytes \n", sizeof(short int));
5     printf("        int is %2d bytes \n", sizeof(int));
6     printf("        int * is %2d bytes \n", sizeof(int *));
7     printf("    long int is %2d bytes \n", sizeof(long int));
8     printf("    long int * is %2d bytes \n", sizeof(long int *));
9     printf("    signed int is %2d bytes \n", sizeof(signed int));
```

input

```
|
short int is 2 bytes
int is 4 bytes
int * is 8 bytes
long int is 8 bytes
long int * is 8 bytes
signed int is 4 bytes
unsigned int is 4 bytes

float is 4 bytes
float * is 8 bytes
double is 8 bytes
double * is 8 bytes
long double is 16 bytes

signed char is 1 bytes
char is 1 bytes
char * is 8 bytes
unsigned char is 1 bytes

...Program finished with exit code 0
Press ENTER to exit console.
```

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main.c

```
1#include <stdio.h>
2int main()
3{
4    int num=22;
5    num=num<<1;
6    printf("1st left shift is:%d\t",num);
7    num=num<<2;
8    printf("1st left shift is:%d\t",num);
9    num=num<<3;
10   printf("1st left shift is:%d\t",num);
11   printf("\n");
12   num=22;
13   num=num>>1;
14   printf("1st left shift is:%d\t",num);
15   num=num>>2;
16   printf("1st left shift is:%d\t",num);
17   num=num>>3;
18   printf("1st left shift is:%d\t",num);
19
20}
```

input

1st left shift is:44 1st left shift is:176 1st left shift is:1408
1st left shift is:11 1st left shift is:2 1st left shift is:0

...Program finished with exit code 0
Press ENTER to exit console.

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main.c

```
1 #include <stdio.h>
2
3 int main()
4 {
5     int a = 5, b = 10, max;
6     max = (a > b) ? a : b;
7     printf("Largest number between %d and %d is %d ",a,b,max);
8     return 0;
9 }
```

input

```
<
Largest number between 5 and 10 is 10
...Program finished with exit code 0
Press ENTER to exit console.
```

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