```
nt main()
   int a=10, b=100;
   float c=10.5, d=100.5;
   printf("++a=%d\n",++a);
   printf("--d=%d\n", --b);
   printf("++c%f\n",++c);
   printf("--d=%f\n", --d);
    return 0;
```

```
++a=11
--d=99
++c11.500000
--d=99.500000
Process returned 0 (0x0) execution time : 0.016 s
Press any key to continue.
```

```
#include<stdio.h>
1
     int main()
2
3
    BI
          int a=5, b=5, c=10;
4
          printf("%d==%d is %d\n",a,b,a==b);
5
          printf("%d==%d is %d\n",a,c,a==c);
6
7
          printf("%d>%d is %d\n",a,b,a>b);
          printf("%d>%d is %d\n",a,c,a>c);
8
          printf("%d<%d is %d\n",a,b,a<b);
9
          printf("%d<%d is %d\n",a,c,a<c);
10
          printf("%!=%d is %d\n",a,b,a!=b);
11
12
          printf("%d!=%d is %d\n",a,c,a!=c);
          printf("%d>=%d is %d\n",a,b,a>=b);
13
          printf("%d>=%d is %d\n",a,c,a>=c);
14
          printf("%d<=%d is %d\n",a,b,a<=b);
15
16
          printf("%d<=%d is %d\n",a,c,a<=c);
17
          return 0:
18
      }
19
```

```
5==5 is 1
5==10 is 0
5>5 is 0
5>10 is 0
5<5 is 0
5<10 is 1
!=5 is 5
5!=10 is 1
5>=5 is 1
5>=10 is 0
5<=5 is 1
5<=10 is 1
Process returned 0 (0x0) execution time : 0.020 s
Press any key to continue.
```

```
#include<stdio.h>
int main()
    int a=5, b=5, c=10, result;
    result=(a==b) && (c>b);
    printf("(a==b)&&(c>b) is %d\n", result);
    result=(a==b) && (c<b);
    printf("(a==b)&&(c<b) is %d\n", result);
    result=(a==b) | | (c<b);
    printf("(a!=b)||(c<b) is %d\n", result);
     result=(a!=b) | | (c<b);
    printf("(a!=b)||(c<b) is %d\n", result);
     result=!(a!=b);
     printf("!(a!=b) is %d\n", result);
     result=!(a==b);
     printf("!(a==b) is %d\n", result);
     return 0;
```

ogram3.c - Code Ellis 27

■ Ct\Users\nagen OneDrive Documents\program3.exe

```
(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
```

Process returned 0 (0x0) execution time : 0.017 s
Press any key to continue.

```
#include<stdio.h>
int main()
    int a;
    float b;
    char c;
    double d;
    printf("size of int:%d bytes\n", sizeof(a));
    printf("size of float:%d bytes\n", sizeof(b));
    printf("size of char:%d bytes\n", sizeof(c));
    printf("size of double:%d bytes\n", sizeof(d));
    return 0;
```

size of int:4 bytes size of float:4 bytes size of char:1 bytes size of double:8 bytes execution time : 0.023 s Process returned 0 (0x0) Press any key to continue.

```
#include<stdio.h>
2
     int main()
3
   日日
4
         int a=5,b=8,c=10,largest;
5
         largest=(a>b)?(a>c?a:c):(b>c?b:c);
         printf("largest of three numbers=%d", largest);
6
7
         return 0;
8
9
```

largest of three numbers=10 Process returned 0 (0x0) execution time : 0.016 s Press any key to continue.

```
program6.c - Code: Blocks 20.03
le Edit View Search Project Build Debug Fortran wx5mith Tools Tools
start here X program6.c X
    1 #include<stdlo.h>
    2
          int main()
    3
    4
              int a, num=22;
    5
              a=num<<1;
    6
              printf("left shift: %d<<1=%d\n", num, a);
    7
              a=num<<2:
    8
              printf("left shift:%d<<2=%d\n",num,a);
    9
              a=num>>1;
    10
              printf("right shift: %d>>1=%d\n", num, a);
    11
              a=num>>2;
    12
              printf("right shift:%d>>2=%d",num,a);
    13
              return 0;
    14
    15
```

```
left shift:22<<1=44
left shift:22<<2=88
right shift:22>>1=11
right shift:22>>2=5
Process returned 0 (0x0) execution time : 0.018 s
Press any key to continue.
```

```
program7.c - Code::Blocks 20.03
File Edit View Search Project Build Debug Fortran wxSmith Tools
Start here X program7.c X
           #include<stdio.h>
           int main()
      3
         0
      4
                int a, num=22;
      5
                a=num<<1;
     6
                printf("%d<<1=%d\n", num, a);
     7
                a=num<<2;
     8
                printf("%d<<2=%d", num, a);
     9
                return 0;
    10
     11
```

m7.c - Code Blocks 20.03 View Search Project Build Debug Fortran wxSmith Tools Tools-C\Users\nagen\OneDrive\Documents\program7.exe 22<<1=44 22<<2=88 Process returned 0 (0x0) execution time : 0.017 s Press any key to continue.

(5) num = 23
i) left shift
$$92 = 10110$$

num $2 = 10010$
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110
 100110