

Assignment 3 (Formulas and operators)

Chung-Ang University

```
#include <stdio.h>
int main(void)
{
         int n1=7, n2=5;
         n1+=n2; //n1 = n1 + n2;
         printf("n1 += n2 : %d\n", n1);
         n2 += 12; //n2 + 12;
         printf("n2 += 12 : %d\n", n2);
         return 0;
```

```
#include <stdio.h>
int main(void)
        int num1 = 7;
        int num2, num3;
        num2 = ++num1;
        num3 = -- num1;
        printf("num1 : %d\n", num1);
        printf("num2 : %d\n", num2);
         printf("num3: %d\n", num3);
        return 0;
```



```
#include <stdio.h>
int main()
{
    int num1 = 7;
    int num2, num3;

    num2 = num1++;
    num3 = num1--;

    printf("num1 : %d\n", num1);
    printf("num2 : %d\n", num2);
    printf("num3 : %d\n", num3);
}
```



```
#include <stdio.h>
int main()
{
    int num1, num2;
    num1 = 7;
    num2 = (num1--) + 5;

    printf("num1 : %d\n", num1);
    printf("num2 : %d\n", num2);
}
```



```
#include <stdio.h>
int main()
{
    int x = 3
    int y = 2;
    printf("%d\n", (x > y) ? x : y);
    printf("%d\n", (x < y) ? x : y);
}</pre>
```

```
#define CRT SECURE NO WARNINGS
#include <stdio.h>
int main()
       int x, y, result;
       printf("enter two integers: ");
       scanf("%d %d", &x, &y);
       result = x + y;
       printf("%d + %d = %d\n", x, y, result);
       result = x - y;
       printf("%d - %d = %d\n", x, y, result);
       result = x * y;
       printf("%d - %d = %d\n", x, y, result);
       result = x / y;
       printf("%d - %d = %d\n", x, y, result);
       result = x \% y;
       printf("%d - %d = %d\n", x, y, result);
       return 0;
```



```
#define _CRT_SECURE_NO_WARNINGS

#include <stdio.h>
int main()

{

    int a = 1;
    int b = 0;
    if( a || (b = 5)){
        printf(" b is %d\n", b);
    }
    if( a && (b = 5)){
        printf("b is %d\n",b);
    }
    return 0;
}
```



 Write the following program code and fill in the blank to get same output (You can use misc operators)

```
#define_CRT_SECURE_NO_WARNINGS
#include <stdio.h>
int main()
{
    int a ,b, c;
    scanf("%d %d", &a, &b);

    blank

    printf("bigger one is %d \n", c);
    return 0;
}
```

Output

```
bigger one is 15 (if a is 15, b is 3) bigger one is 15 (if a is 5, b is 15)
```



 Write the following program code and fill in the blank to get same output (You can use misc operators)

Output

```
a is bigger than b
b is bigger than a
(if a is 15, b is 3)
(if a is 5, b is 15)
```



```
#define _CRT_SECURE_NO_WARNINGS
#include <stdio.h>
int main()
      char a = 7;
      printf(" a XOR a is %d\n", a^a);
      printf(" a XOR a XOR a is %d\n", a^a^a);
      return 0;
```

