(4.)
```c
void main()
{   int a=1, b;
        1      1      1
    b = a++ + a++ + a++;
    printf(" \n %d, %d", a, b);
    getch();
}
```

O/P: 4, 3

(5.)
```c
void main()
{   int a=1, b;
         3       3        3     3
    b = ++a + a++ + ++a + a++;
    printf("\n %d, %d ", a, b);
    getch();
}
```

O/P: 5, 12

(6.)
```c
void main()
{   int a=1;
          3        3       3
    a = ++a * a++ * ++a;
    printf("%d", a);
    getch();
}
```

O/P: 28

$\boxed{27}$ 28

7.
```
void main()
{   int a=1;
    a= a++ * a++ * a++ ;
    printf (" \n %d", a);
    getch();
}
```

O/p: 4

8.
```
void main()
{   int a,b;
    a= b =10;
    a = a-- + --b;
    b = --a + b-- ;
    printf ("%d; %d", a, b);
    getch();
}
```

O/p: 17, 25

Annotations near code:
```
        10        9
a = a -- + -- b;     +9  18
        17 +  9
b = -- a + b -- ;    26   25
```

(9.)
```
void main()
{ int a,b;
  a=1, b=3;
  a= ++a + --b + a--;
  b= b++ + --a + ++b;
  printf (" \n %d,%d", a,b);
  getch() ;
}
```

O/p: 4, 11

$$a = \overset{2}{++a} + \overset{2}{--b} + \overset{2}{a--};$$

$\cancel{6} \ \cancel{8} \ 4$

$$b = \overset{3}{b++} + \overset{4}{--a} + ++b;$$

$\cancel{10} \ 11$

(10.)
```
void main()
{ int a,b,c;
  a=1; b=2; c=3;

  a= a-- + ++b + --c;
  b= ++a - b++ + c--;
  c= a++ + ++b + c++;
  printf (" \n %d, %d, %d", a,b,c);
  getch();
}
```

O/p:

$$a = \left(\overset{\boxed{0}}{a\underset{1}{--}} + \overset{\boxed{3}}{++\underset{3}{b}} \right) + \overset{\boxed{2}}{-\underset{2}{-}c} = 6$$

$$b = \left(\overset{\boxed{7}}{++a} \underset{7}{} - \overset{\boxed{4}}{b\underset{3}{++}} \right) + c\underset{2}{--} \overset{\boxed{1}}{} = 6$$

$$c = \overset{\boxed{8}}{a++} \underset{7}{} + \overset{\boxed{\cancel{5}7}}{++b} \underset{\cancel{5}6}{} + c++ \overset{\boxed{2}}{} \underset{1}{} = 14$$

(10.)
```c
void main()
{  int a, b, c;
   a=1; b=2; c=3;
   a = a-- + ++b + --c;
   b = ++a - b++ + c--;
   c = a++ + ++b + c++;
   printf("\n %d, %d, %d", a, b, c);
   getch();
}
```

O/p: 7, 7, 15

(10)

$a = a-- + ++b + --c$

     1 + 3 + 2

     ~~6~~ 5

a	b	c
~~1~~	~~2~~	~~3~~
~~5~~	~~3~~	~~2~~
~~6~~	~~6~~	~~1~~
7	7	15

(2) $b = ++a - b++ + c--$

     6 - 3 + 2

     ~~5~~ 6

(3.) $c = a++ + ++b + c++$

     6 + 7 + 1

     ~~14~~ 15

11)
```
void main()
{  int  a,b,c;
   a=2;  b=4;  c=6;
   a = ++a - --b + c--;
   b = --a + b++ - --c;
   c = a-- ≠ -++b + c++;
   printf ("\n %d, %d, %d", a, b, c);
   getch();
}
```
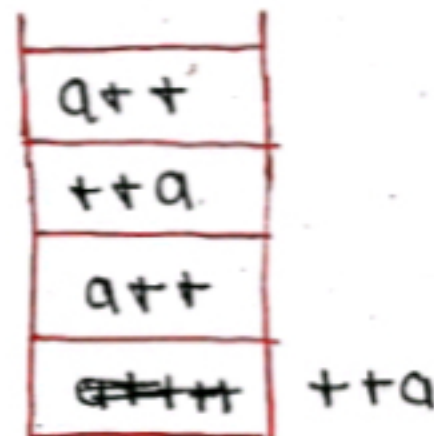
O/p: 4, 6, 4

~~+2345~~

12)
```
Void main()
{  int a=1;
   printf("\n %d %d %d",  ++a, a++, ++a, a++);
                           5    3    3    1
   getch();
}
)
```

O/p: 5 3 3 1

a++
++a
a++
~~a+++~~ ++a

✴ Note: If printf contain multiple expression then always execute from right to left.