```
1.
#include<stdio.h>
int main(void)
{
    int value1=0x32;
    int value2=064;

    int value3 = 0x8 + 016 + 128 - value1 + value2;

    printf("value1=%d \t", value1 );
    printf("value2=%d \t", value2 );
    printf("value3=%d \n", value3 );

    return 0;
}
```

```
A. value1=50    value2=52    value3=152
B. value1=32    value2=64    value3=164
C. value1=50    value2=64    value3=152
D. value1=50    value2=64    value3=164
```

Answer: A

```
2.
#include <stdio.h>
int main( void )
{
    int num1,num2,num3, num4;

    num1 = 100 ; num2 = 200 ;
    num2= ++num1;
    num3= num2--/2;
    num4 = printf(" %-10d ", ++num1 ) + ++num2;

    printf("%10d\t",num3);
    printf("%-10d",num4);
    return 0;
}
```

| | | |
|---|---|---|
| A. 101 | 51 | 113 |
| B. 102 | 50 | 113 |
| C. 102 | 50 | 112 |
| D. 200 | 51 | 113 |

Answer: B

3.
```c
#include <stdio.h>
int main( void )
{
    int value1 = 100, value2;

    value2 = ++( ++(value1) + (value1)--) ;

    printf("\n value1=%d value2=%d ", value1, value2);

    return 0;
}
```

A. value1 = 100 value2 = 201
B. value1 = 101 value2 = 200
C. value1 = 100 value2 = 200
D. Complile time error

Answer: D

4.
```c
#include <stdio.h>
int main( void )
{
    int val1=11, val2=22, val3=33;
    val3 = (val2++),val1++,val2++ ;
    val1 = val3++,val2++,val3++;
    val2 = ((val1--,--val3),--val1) ;
    printf("val1=%d val2=%d val3=%d",val1,val2,val3);
    return 0;
}
```

A. val1=22 val2=23 val3=23
B. val1=22 val2=22 val3=23
C. val1=20 val2=21 val3=23
D. val1=20 val2=20 val3=23

Answer: D

5.
```c
#include<stdio.h>
int main( void )
{
    char num1='A';
    short int ch=101;
    double num2=10.24;
    int value =sizeof(num1)+sizeof(ch)+sizeof(num2);

    printf("value=%-8d", value);

    int Value =sizeof(1)+sizeof('A')+sizeof(1.2);
    Value+= sizeof(10.2F);

    printf("Value=%-8d", Value);

    printf("Result=%-8.2f",value + Value /8.0f);

    return (0);
}
```

A. value=11      Value=20      Result=13.50
B. value=13      Value=20      Result=15.50
C. value=13      Value=17      Result=13.50
D. value=11      Value=17      Result=15.50

Answer: A

```c
6.
#include<stdio.h>
int main( void )
{

    int num1 = 0, num2 = -1 , num3 = -2, num4 = 1, ans;

    ans = num1++ || num2++ && ++num4 || num3++;

    printf("%d %d %d %d %d",num1,num2,num3,num4,ans);

    return 0;
}
```

```
A. 0  0 -2 2 0
B. 0  0 -2 2 1
C. 1  0 -1 2 0
D. 1  0 -2 2 1
```

**Answer: D**

```c
7.
#include<stdio.h>
int main( void )
{
    int val=0;
    int value = val++ || ++val==1 || val--;

    printf(" val=%d  value=%d", val, value);
    return 0;
}
```

```
A.  val=1  value=1
B.  val=0  value=0
C.  val=1  value=0
D.  val=0  value=1
```

**Answer: A**

8.
```c
#include<stdio.h>
int main( void )
{
    int x1=1, x2=2, x3=3;

    int val=!(!((x1+x2)<(x3+1)));

    printf(" val=%d ", !val);
    return 0;
}
```

A. val=0
B. val=1
C. val=-1
D. garbage value

Answer: A

9.
```c
#include<stdio.h>
int main( void )
{

    int var1=10,var2=20, var3=5;

    var2-= --var1 - var3++;

    printf("val3=%d var2=%d var1=%d", var3,var2,var1);
    return 0;
}
```

A. val3=6 var2=17 var1=8
B. val3=6 var2=17 var1=9
C. val3=6 var2=15 var1=9
D. val3=6 var2=16 var1=9

Answer: D

10.
```c
#include <stdio.h>
int main( void )
{
    int num1 = 1, num2 , num3 = 5;

    num2=--num1;
    int ans1 = num1-- || num2++ || num3++;
    int ans2 = ++num1 && num2++ && num3++;

    printf("num2=%d num3=%d ", num2,num3);
    printf("(ans1-ans2)=%d ", ans1-ans2);
    return 0;
}
```

A. num2=1 num3=6 (ans1-ans2)=1
B. num2=0 num3=5 (ans1-ans2)=0
C. num2=1 num3=5 (ans1-ans2)=0
D. num2=1 num3=6 (ans1-ans2)=0

Answer: A

11.
```c
#include <stdio.h>
int main( void )
{
    int var1 = 1, var2=0;

    var1 = !(!(!( --var1 || (++var2 == 1))) && var2--);
    printf("\n var1=%d var2=%d",var1, var2);
    return 0;
}
```

A.   var1=0 var2=0
B.   var1=1 var2=1
C.   var1=0 var2=1
D.   var1=1 var2=0
Answer : A

**12.**

```c
#include <stdio.h>
int main( void )
{
    float x;

    x = 0.39f == (float)(3.9/10.0);

    printf("x=%-3.3f", !x);
    return 0;
}
```

A. x=-0.000
B. x= 0.000
C. x= 1.000
D. x=-1.000

Answer: B

**13.**

```c
#include<stdio.h>
int main(void)
{
    int t,a=5,b=10,c=15;

    t=((++a && ++b, ++a), ++a || ++c);

    printf("t=%d a=%d b=%d c=%d",t,a,b,c);

    return 0;
}
```

A. t=1 a=8 b=11 c=15
B. t=7 a=8 b=11 c=15
C. t=6 a=7 b=10 c=16
D. t=6 a=8 b=11 c=16

Answer: A

14.

```c
#include <stdio.h>
int main(void)
{
    int a,b,c;

    a=printf("\t \"SunBeam\" - \t'IT Park' \t");

    b=printf("\t \'Pune\' \t");

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

    printf(" c = %d",c);

    return 0;
}
```

A.      "SunBeam" -     'IT Park'        'Pune'
    a = 26 c = 19

B.      "SunBeam" -     'IT Park'       'Pune'
    a = 32 c = 14

C.      "SunBeam" -     'IT Park'        'Pune'
    a = 23 c = 19

D. Compile time error

Answer: A

15.
```c
#include <stdio.h>
int main( void )
{
    printf("\n ans1=%d ans2=%x ans3=%o", 064,064,064);

    return 0;
}
```

A. ans1=52 ans2=34 ans3=64
B. ans1=52 ans2=52 ans3=64
C. ans1=52 ans2=64 ans3=34
D. ans1=34 ans2=52 ans3=64

Answer : A

16.
```c
#include <stdio.h>
int main( void )
{
    int _1=0;

    printf("True=%d", _1++);
    ++_1,--_1,1--;
    printf("False=%d",_1++);

    return 0;
}
```

A. False=-1
B. False= 0
C. False= 1
D. Compile time error

Answer : D