



1)

```
main()
```

```
{
```

```
char a[2];
```

```
*a[0]=7;
```

```
*a[1]=5;
```

```
printf("%d", &a[1]-a)
```

ans may be 1.(illegal initialization)

2)

```
#include
```

```
main(){
```

```
char a[]="hellow";
```

```
char *b="hellow";
```

```
char c[5]="hellow";
```

```
printf("%s %s %s ",a,b,c);
```

```
printf(" ",sizeof(a),sizeof(b),sizeof(c));
```

```
}
```

Ans:is hellow,hellow,hellow

6,2,5 )

3)

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```
#include
```

```
main()
```

```
float value=10.00;
```

```
printf("%g %0.2g %0.4g %f",value,value,value,value)
```

```
}
```

Ans:is 10,10,10,10.000000)

4)

```
#include
```

```
void function1;
```

```
int i-value=100;
```

```
main()
```

```
{
```

```
i-value=50;
```

```
function1;
```

```
printf("i-value in the function=",i-value);
```

```
printf("i-value after the function=",i-value);
```

```
}
```

```
printf("i-value at the end of main=",i-value);
```

```
functioni()
```

```
i-value=25;
```

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```
5)
main()
{
  funct(int n);
  {
    switch(n)
    case1:
    m=2;
    break;
    case2:
    m=5;
    break;
    case3:
    m=7;
    break;
    default:
    m=0;
  }
}
```

WRITE THE OUTPUT FOR FOLLOWING PROGRAMS.

```
1) printf("%d%x\n",ox2,12);
```

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```
2) int a=10;
int b=20;
a=a^b;
b=a^b;
a=a^b;
printf("%d%d\n",a,b);
```

```
3)enum
{ELLIPSE,
TRIANGLE,
RECTANGLE,
SQUARE=100,
CIRCLE=5
}
printf{"%d%d%d%d\n",TRIANGLE-RECTANGLE,SQUARE*CIRCLE-RECTANGLE};
```

4) define the following...

- a) pointer to a integer
- b) pointer to a char
- c) function pointer returning a pointer integer.

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5) void a(void);

```
main()
```

```
{
```

```
a();
```

```
}
```

```
void a(void)
```

```
{
```

```
char a="HELLOW";
```

```
char *b="HELLOW";
```

```
char c[10]="HELLOW";
```

```
printf("%s%s%s\n",a,b,c);
```

```
printf("%d%d%d\n",sizeof(a),sizeof(b),sizeof(c));
```

```
}
```

6) int a=15;

```
int b=16;
```

```
printf("%d %d \n",a&b,a/b); (bitwise operators)
```

7) int a[5],\*p;

```
for(p=a;p<&a[5];p++)
```

```
{
```

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```
*p=p-a;  
printf("%d\n",*p);  
}
```

```
8) sscanf("xyz abc ABC 345" "% * [a-z A-Z]lf",&a);  
printf("lf",a);
```

9) Not clear

```
fprintf(- - - -
```

```
10) main()  
{  
int i=10;  
printf("%d",i);  
{  
int i=20;  
printf("%d",i);  
}  
printf("%d",i);  
}
```

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11) struct class

```
{  
int i;  
float a;  
string[12];  
}  
sizeof(class)=?
```

12) int \*p;

```
i=10;  
p=i;  
printf("%d",*p);
```

13) fact(5)

```
int n;  
fact(n)  
{  
sum=n*fact(n-1);  
}
```

## NEXT FINITE ELEMENT ANALYSYS QUESTIONS

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