

01. What is the output when the sample code below is executed?  
`int a=15; printf("%d",++a,a+2);`
02. What is the output of the following statement?  
`printf("%.2f", 12.145678);`
03. What is the output when the sample code below is executed:  
`int i = 8; printf("%d\n", i = ++i == 9);`
04. What is the output when the sample code below is executed?  
`char a = '1';  
switch(a)  
{ case 0:printf("A ");  
 case 1:printf("B ");  
 default:printf("D ");  
}`
05. What is the output when the sample code below is executed?  
`int i=0; for( ; i ; ) printf("ABC "); if(i>0) printf("XYZ");`
06. What is printed?  
`int x=5; for(;x--;) printf("%d",x);`
07. Given the below code snippet:  
`int a=1; int i=9; if (a || i++) i++; printf("%d",i);`
08. What is the output when the sample code below is executed?  
`int i=1;  
while(i<=9)  
if(i%2 == 1)  
printf("%d ",i++);  
else  
printf("%d ",i--);`
09. What does the following code fragment print?  
`int x = 0;  
while(++x < 4) printf("%d ", x);`
10. What does the following code fragment print?  
`int x = 0;  
while(x++ < 4) printf("%d ", x);`
11. What is the output when the sample code below is executed?  
`int x = 0; while(x <=9) for(;;) if(++x%9 == 0) break; printf("%d\n", x);`
12. What will be the output of the following code fragment?  
`double x = -3.2, y = 3.7;  
printf( "%.0f : %.0f\n", ceil( x ), ceil( y ) );  
printf( "%.0f : %.0f\n", floor( x ), floor( y ) );`

13. What is the output when the sample code below is executed?
- ```
char a[] = "Hello"; char *p; p = a + strlen(a);
while(ptr>a) printf("%s", --p);
```
14. What is the output when the sample code below is executed?
- ```
int y = 25;
void foo(int *x){ x = &y; *x=10;}
int main(){
    int v=5; foo(&v);
    printf("%d",v);
    printf("\n");
    return 0;
}
```
15. What is the output when the sample code below is executed?
- ```
int i, j = 30; int *pi, *pj = &j; *pj = j + 4; i = *pj + 4;
pi = pj; *pi = i + j;
printf("%d %d", *pi, *pj);
```
16. What is the output when the sample code below is executed?
- ```
char f[] = "Hello"; int i=0; while(f[i] != '\n') { printf("%c%c", f[i], *(f + i+1)); i++; }
```
17. What is the output when the sample code below is executed?
- ```
char s[10] = "oh"; printf("%d", strcmp(strcat(s, " abc"), "hello"));
```
18. What will be the output of the following code snippet?
- ```
int a[] = { 1, 2, 4, 5 }; int *p; int i;
for (i = 0, p = a; i < 3; i++, p++) printf("%d %d ", a[i], *p);
```
19. What will be the output of the following code snippet?
- ```
char a[] = "hello"; int len = strlen(str);
for(int i=0; i < len; i++) { if(i%2 == 1) a[i] = toupper(a[i]); }
printf("%s", a);
```
20. What will this code snippet print?
- ```
char str[] = "abcde"; int len = strlen(str);
for(int i=0; i < len; i++) str[i]++;
printf("%s", str);
```
21. What is the output of this code snippet?
- ```
char note[] = "you are welcome";
char *ptr = note; note[6] = '\0'; puts(++ptr);
```