

COP 3223 Sec 2: Fall'09 C Programming Test 1 Practice (50 points)

1. (10 points)

Write down the printed output of this program. Mark your blank chars too.

WRITE YOUR OUTPUT BELOW HERE

#include <stdio.h>		
	Out Line 1	
int main(void)		
{ float f;		
int a,i;	Out Line 2	
a = 0;		
a = a + 1;		
printf ("A= %d\n", a);	Out Line 3	
a += 2;		
a--;		
a++;	Out Line 4	
printf ("B= %d\n", a);		
i=2;		
f=5.0;	Out Line 5	
printf ("F= %f\n", f/i);		
a=5;		
printf ("C= %d\n", a/i);	Out Line 6	
return 0;		
}		

2. (10 points)

Write down the printed output of this program. Mark your blank chars too.

WRITE YOUR OUTPUT BELOW HERE

#include <stdio.h>		
	Out Line 1	
int main(void)		
{ float f;		
int a,i;	Out Line 2	
a = 0;		
a = a + 1;		
printf ("A= %4d\n", a);	Out Line 3	
a += 2;		
a = a % 2		
a++;	Out Line 4	
printf ("B= %5d\n", a);		
i=2;		
f=5.0;	Out Line 5	
printf ("F= %6.2f\n", f/i);		
return 0;		
}		

3. (15 points) Trace the following program:

ENTER YOUR TRACE BELOW

	Prog Line #	a	b	c	print or other action
1. #include <stdio.h>					
2.					
3.					
4. int main(void)					
5. {					
6. int a=1 , b=4, c=3;					
7. a += 2;					
8. if (a <= b)					
9. {					
10. if (b <= c)					
11. printf ("c= %d\n", c);					
12. else					
13. printf ("c= %d\n",a+c);					
14. }					
15. else					
16. printf ("b= %d\n", b);					
17. b -= 1;					
18. if (a <= b)					
19. printf ("a= %d\n", a);					
20. else					
21. printf ("b= %d\n", b);					
22.					
23.					
24. return 0;					
25. }					

4. (25 points) Trace the following program:

ASSUME keyboard input IS: 2

ENTER YOUR TRACE BELOW

[illegible]