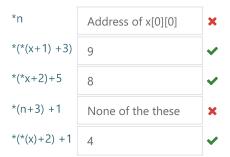
<u>Dashboard</u> / My courses / <u>Computer Programming</u> / Midsem Online Quiz / <u>Midsem-Theory-section-B</u>

Started on Wednesday, 21 December 2022, 10:57 AM State Finished Completed on Wednesday, 21 December 2022, 11:12 AM **Time taken** 14 mins 17 secs **Grade 9.60** out of 10.00 (**96**%) Question 1What is the output of the below code snippet? Correct #include < stdio.h > Mark 1.00 out of int main() 1.00 { for() printf("Hello"); return 0; a. No output b. Infinite loop oc. Prints "Hello" once. od. Compile error Your answer is correct. The correct answer is: Compile error

Question **2**Partially correct
Mark 0.60 out of
1.00

Match the following with respect to the following program segment: int $x[3][5] = \{\{1,2,3,4,5\}, \{6,7,8,9,10\}, \{11,12,13,14,15\}\}, *n=&x;$



Your answer is partially correct.

You have correctly selected 3.

The correct answer is:

```
*n \to 1,
*(*(\vee+1)
```

((x+1) +3)
$$\rightarrow$$
 9,

$$*(*x+2)+5 \rightarrow 8$$
,

*
$$(n+3) +1 \rightarrow 5$$
,

$$*(*(x)+2) +1 \rightarrow 4$$

Question **3**Correct

Mark 1.00 out of 1.00

What will be the output produced by the following C code:

```
#include<stdio.h>
int main()
{
    int array[2][2] = {{1,2},{-1,-1}};
    printf("%d", ((array == *array) && (*array == array[0]) ));
    return 0;
}
```

- a. 1
- b. None of these
- c. Compile error
- O d. 0

Your answer is correct.

The correct answer is: 1

Question 4 Correct	Consider that the followings statements are used in a program.		
Mark 1.00 out of	(i) sizeof(int); (ii) sizeof(int*);		
1.00	(iii) sizeof(int**);		
	Assuming size of pointer is 4 bytes and size of int is also 4 bytes, which of the following is true?		
	a. (ii) and iii) would result in compile error but i) would compile and result in size as 4.		
	 b. Only (i) would compile successfully and it would return size as 4. 		
	 c. (i), ii) and iii) would compile successfully but the size of each would be different and would be decided at run time. 		
	 d. (i), ii) and iii) would compile successfully and size of each would be same i.e. 4. 		
	Your answer is correct.		
	The correct answer is: (i), ii) and iii) would compile successfully and size of each would be same i.e. 4.		
Question 5	What is the return type of malloc() ?		
Correct Mark 1.00 out of	○ a. void **		
1.00	○ b. int *		
	○ c. Pointer of allocated memory type		
	□ d. void *		
	Your answer is correct. The correct answer is:		
	void *		
Question 6 Correct	Which of the following gives the memory address of the first element in array foo, an array with 100 elements?		
Mark 1.00 out of 1.00	○ a. foo[0]		
	○ b. foo[1]		
	○ c. foo		
	□ d. &foo ✓		
	Your answer is correct.		
	The correct answers are: foo,		
	&foo		

```
Question {\bf 7}
Correct
```

Mark 1.00 out of 1.00

```
Consider the following program
```

```
int incr(int i)
static int count = 0;
count = count + i;
return (count);
int main()
int i,j;
for (i = 0; i < =4; i++)
j = incr(i);
return 0;
```

What is the value of j at the end of the execution of the following C program?

- a. 10
- O b. 6
- c. None of the above.
- O d. 4

Your answer is correct.

The correct answer is:

10

Question **8**

Correct

Mark 1.00 out of 1.00

Which of the following is a valid function call (assuming the function exists)?

- a. int funct();
- b. funct;
- c. funct();
- d. funct x, y;

Your answer is correct.

The correct answer is: funct();

Question 9	What is the return type of the function with prototype: "int func(char x, float v, double t);"			
Correct				
Mark 1.00 out of 1.00	a. float			
	b. int		~	
	c. double			
	O d. char			
	Your answer is correct.			
	The correct answer is: int			
Question 10 Correct Mark 1.00 out of 1.00	Consider the function int func(int num) { int count = 0; while(num) { count++; num >>= 1; } return(count); } For func(435) the value re a. 9 b. 8 c. 7 d. 0	eturned is ?	•	
	Your answer is correct. The correct answer is: 9			
→ Midsem-Theory-section-A		Jump to		