Dashboard / My courses / Fall 2017 / CSCI2270-F17 / Quizzes / Quiz 2 - Recursion, Pointers, Dynamic Memory

Started on State	
State	Friday, September 22, 2017, 7:20 AM
	Finished
Completed on	Friday, September 22, 2017, 7:33 AM
Time taken	13 mins 21 secs
Grade	35.00 out of 50.00 (70 %)
Question 1	
Partially correct	
2.50 points out of 5.00	
Select one or more	:
a. If the function	tion is named 'getSum' then there is a call to getSum inside the getSum
b. Maintain t	he index of the phase in the recursion
□ a An integer	return value
C. An integer	
d. A base ca	Se

You have correctly selected 1.

Question 2

Correct

10.00 points out of 10.00

Given the function below, write the output (from cout) of this function. Note that there are no spaces in the printed output.

```
void myFunc( int s[ ], int n )
{
    if(n-1 < 0)
        return;

    cout << s[n-1];

    if(n-1>0)
        cout << ',';

    myFunc(s, n-1);
}
int main( )
{
    int foo [5] = { 3, 5, 1, 8, 9 };
    myFunc(foo, 5);
    return 0;
}</pre>
```

Answer:

9,8,1,5,3

S	
Juestic	on 3
ncorre	ot .
).00 pc	ints out of 5.00
Whic	h of the following assigns to p1 the pointer to the address of value?
Sele	ct one:
\circ	a. p1=value;
•	b. *p1=&value*
\circ	c. p1=&value
0	d. &p1 = *value;
Questi	
\sim	
Correct	
	ints out of 5.00
5.00 pc	pints out of 5.00
5.00 pc	th of the following are valid based on the following code segment? Select all that apply!
5.00 pc	pints out of 5.00
5.00 pc	th of the following are valid based on the following code segment? Select all that apply!
Whice	th of the following are valid based on the following code segment? Select all that apply!
Whice	th of the following are valid based on the following code segment? Select all that apply! init = 'A';
Whice char	th of the following are valid based on the following code segment? Select all that apply! init = 'A'; of one or more:
Whice char	th of the following are valid based on the following code segment? Select all that apply! init = 'A'; ct one or more: a. char* last = &init*
Whice char	th of the following are valid based on the following code segment? Select all that apply! init = 'A'; or one or more: a. char* last = &init* b. char* last = init;
Whice char	th of the following are valid based on the following code segment? Select all that apply! init = 'A'; ct one or more: a. char* last = &init* b. char* last = init; c. char &last = *init;

Your answer is correct.

Question 5

Correct

7.50 points out of 10.00

Write C++ code that creates an integer pointer named **cPointer** that points to a variable named **q** by referencing the memory address of the variable **q**. The variable **q** has been declared and initialized before your code runs.

Your code will be placed inside the main function with all the appropriate #includes.

After your code runs, the test case will execute the following code:

```
cout << "*cPointer = " << *cPointer << endl;</pre>
```

For example:

Test	Result
int q = 11;	*cPointer = 11
int q = 745	*cPointer = 745

Answer: (penalty regime: 0,5,10,... %)

- 1 int *cPointer;
- 2 cPointer = &q;

	Test	Expected	Got	
~	int q = 11;	*cPointer = 11	*cPointer = 11	~
~	int q = 745	*cPointer = 745	*cPointer = 745	~
~	int q = 6382434;	*cPointer = 6382434	*cPointer = 6382434	~

. .

Passed all tests! 🗸 Correct Marks for this submission: 10.00/10.00. Accounting for previous tries, this gives 7.50/10.00. Question 6 Correct 10.00 points out of 10.00 Given the array {a, d, e, k, m, p, z}, write in order the values a binary search algorithm will progress through to find the value z. Include the found value of z at the end of the list. Separate each value with a single comma and no spaces. Note all letters are lower case. The values are compared by alphabetical order (i.e. a < b < c < d...). Example: Given array {a, b, c, d, e, f, g}; search for e Your output: d,f,e Answer: k,p,z Question 7 Incorrect 0.00 points out of 5.00 In GDB, what is the name of the command to execute the statement without going into a function on a function call? (write ONE word only) Answer: step