



SCSA2602-Compiler Design Lab

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Started on Monday, 7 February 2022, 7:31 PM

State Finished

Completed on Monday, 7 February 2022, 7:33 PM

Time taken 1 min 54 secs

Marks 1.00/1.00

Grade 10.00 out of 10.00 (100%)

Question 1

Correct

Mark 1.00 out of 1.00

🚩 Flag question

Write a c program for showing function pointer by adding two numbers

Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2
3 void addition(int, int, int*);
4
5 int main()
6 {
7     int a, b, c;
8     scanf("%d", &a);
9     scanf("%d", &b);
```

Quiz navigation



Finish review



Question 1

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Mark 1.00 out of 1.00

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```
1 #include<stdio.h>
2
3 void addition(int, int, int*);
4
5 int main()
6 {
7     int a, b, c;
8     scanf("%d", &a);
9     scanf("%d", &b);
10
11     addition(a, b, &c);
12
13     printf("%d", c);
14
15     return 0;
16 }
17
18 void addition(int x, int y, int *z)
19 {
20     *z = x + y;
21 }
```

	Test	Input	Expected	Got	
✓	Test case 1	88 77	165	165	✓

Passed all tests! ✓

Passed all tests!

Question author's solution (C):

```
1 /*function pointer example in c.*/
2
3 #include <stdio.h>
4
5 //function: sum, will return sum of two
6 //integer numbers
7
8 int addTwoNumbers(int x, int y)
9 {
10     return x + y;
11 }
12
13 int main()
14 {
15     int a, b, sum;
16
17     //function pointer declaration
18     int (*ptr_sum)(int, int);
19     //function initialisation
20     ptr_sum = &addTwoNumbers;
21
22     scanf("%d",&a);
```

Marks for this submission: 1.00/1.00.

Finish review



Question author's solution (C):

```
11 }
12
13 int main()
14 {
15     int a, b, sum;
16
17     //function pointer declaration
18     int (*ptr_sum)(int, int);
19     //function initialisation
20     ptr_sum = &addTwoNumbers;
21
22     scanf("%d",&a);
23     scanf("%d",&b);
24
25     //function calling
26     sum = (*ptr_sum)(a, b);
27
28     printf("%d", sum);
29
30     return 0;
31 }
32
```

Correct

Marks for this submission: 1.00/1.00.

Finish review