

**NPTEL** » Programming in Java

Announcements

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## Assignment 0

The due date for submitting this assignment has passed.

Due on 2020-09-14, 23:59 IST.

Assignment submitted on 2020-08-27, 00:34 IST

1) In C/C++, if you pass an array as an argument to a function, what actually gets passed?

1 point

- a. Value of elements in array
- b. First element of the array
- c. Base address of the array
- d. Address of the last element of array
- a.
- 0 b.
- © c.
- Od.

Yes, the answer is correct.

Score: 1
Accepted Answers:

C.

2) What does the following declaration mean?

1 point

- a. ptr is array of pointers to 20 integers
- b. ptr is a pointer to an array of 20 integers
- c. ptr is an array of 20 integers
- d. invalid declaration

## Text Transcripts Programming Test - (April 11 - 10AM - 12 PM) Programming Test - (April 11 - 8PM - 10 PM)

```
a.
b.
c.
d.
Yes, the answer is correct.
Score: 1
Accepted Answers:
b.
```

3) What will be the output of the program if the array begins 2200 in memory?

```
#include<stdio.h>
int main()
{
   int arr[]={12,13, 14, 1, 6};
   printf("%u, %u, %u", arr, &arr[0], &arr);
   return 0;
}
```

- a. 2300,2200,2500
- b. 2200,2200,2200
- c. 2300,2400,2500
- d. 2200,2200,2300

О a.

b.

O c.

Od.

Yes, the answer is correct. Score: 1

Accepted Answers:

recepted r

b.

1 point

## 4) What will be the output of the following program?

- a. 4,3,4b. 2,3,4
- c. 3,3,4
- d. 2,2,4
- a. ○ b.
- © c.
- ( c

Od.

No, the answer is incorrect. Score: 0

Accepted Answers:

а

5) What will be the output of the program?

```
#include<stdio.h>

#define FUN(i, j) i##j
int main()
{
  int v1=10;
  int v2=20;
  printf("%d", FUN(v, 1));
    return 0;
}
```

- a. 10b. 20c. 30
- d. 1020
- a. ○ b.
- O c.

d.

No, the answer is incorrect. Score: 0

Accepted Answers:

a.

1 point

```
1 point
6) What will be the output of the program?
     #include<stdio.h>
     #define MIN(x, y) (x < y)? x : y;
     int main()
     int x=13, y=14, z;
          z = MIN(x+y/2, y-4);
         if(z > 0)
     printf("%d", z);
          return 0;
      a. 10
      b. 13
      c. 14
      d. 20
 a.
 Ob.
 О c.
 Od.
Yes, the answer is correct.
Score: 1
Accepted Answers:
7) Which of the following programming language does not supports encapsulation?
                                                                                            1 point
      a. C
      b. C++
      c. Java
      d. Python
 a.
 Ob.
 О c.
 Od.
```

Yes	s, the answer is correct.  ore: 1	
Acc	pepted Answers:	
a.		
8)	Which of the following keyword is used to define an abstract data type in object-oriented	1 point
	programming?	
	a. class	
	b. int c. char	
	d. double	
	a.	
	b.	
	С.	
	d.	
Sco	s, the answer is correct.  ore: 1	
Acc <i>a.</i>	cepted Answers:	
9)	What is sizeof() in C?	1 point
,	What is 512eof ( ) in C.	•
	a. Operator	
	b. Function c. Macro	
	d. Data type	
	) a.	
	) b.	
	c.	
	d.	
Sco	s, the answer is correct.  ore: 1	
Acc <i>a.</i>	cepted Answers:	

<sup>0)</sup> Fill in	the blanks:	1 poi
If you	declare a static variable in C programming, then the default value of the variable is	
a.	0	
<b>b</b> .	1	
c.	garbage value	
d.	compiler dependent	
<b>a</b> .		
<b>b</b> .		
О с.		
Od.		
es, the answ Score: 1	wer is correct.	
Accepted An	swers:	
a.		