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.
○ b.
◉ c.
○ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
c.

2) What does the following declaration mean?   *1 point*

```
int (*ptr)[20];
```

   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

○ 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?**   *1 point*

```
#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

○ a.
◉ b.
○ c.
○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
b.

What will be the output of the following program?

```c
#include<stdio.h>

int main()
{
int  a[5] = {1,2,3,4,5};        // a[0]=1
int i, j, m;
i = ++a[1];
j = a[1]++;
m = a[i++];
printf("%d, %d, %d", i, j, m);
      return 0;
}
```

a. 4,3,4
b. 2,3,4
c. 3,3,4
d. 2,2,4

○ a.

○ b.

◉ c.

○ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
a.

What will be the output of the program?

```c
#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. 10
   b. 20
   c. 30
   d. 1020

◯ a.

◯ b.

◯ c.

◉ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
a.

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.
- ○ b.
- ○ c.
- ○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

7) **Which of the following programming language does not supports encapsulation?**

   a. C
   b. C++
   c. Java
   d. Python

- ⦿ a.
- ○ b.
- ○ c.
- ○ d.

8) **Which of the following keyword is used to define an abstract data type in object-oriented programming?**

1 point

    a. class
    b. int
    c. char
    d. double

○ a.

○ b.

○ c.

○ d.

9) **What is** `sizeof( )` **in C ?**

1 point

    a. Operator
    b. Function
    c. Macro
    d. Data type

○ a.

○ b.

○ c.

○ d.

Fill in the blanks:

If you declare a static variable in C programming, then the default value of the variable is

    a.   0
    b.   1
    c.   garbage value
    d.   compiler dependent

○ a.

○ b.

○ c.

○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.