Assignment 6

The due date for submitting this assignment has passed. Due on 2020-03-11, 23:59 IST.
As per our records you have not submitted this assignment.

1) Which of the following statement(s) is/are correct?

   int num[7];
   num[7]=8;

   a) In the first statement 7 specifies a particular element, whereas in the second statement it specifies a type;
   b) In the first statement 7 specifies a particular element, whereas in the second statement it specifies the array size.
   c) In the first statement 7 specifies the array size, whereas in the second statement it specifies a particular element of array.
   d) In both the statement 7 specifies array size.

No, the answer is incorrect.
Score: 0
Accepted Answers:

   c) In the first statement 7 specifies the array size, whereas in the second statement it specifies a particular element of array.

2) What is the right way to initialize array in C?

   a) int arr[]={1,2,5,6,9}
   b) int arr[5]={1,2,5,6,9}
   c) int arr[5]=\{1,2,5,6,9\}
   d) int arr()={1,2,5,6,9}

No, the answer is incorrect.
Score: 0
Accepted Answers:

   b) int arr[5]={1,2,5,6,9}
3) An integer array of size 10 is declared in a C program. The memory location of the first byte of the array is 1000. What will be the location of the 7th element of the array? (integer takes 2 bytes of memory)

   a) 1014
   b) 1012
   c) 1010
   d) 1016

No, the answer is incorrect.
Score: 0
Accepted Answers: b) 1012

4) Which of the statement is correct?

   a) An array may contain more than one element
   b) All elements of array has to be of same data type
   c) The size of array has to be declared upfront
   d) All of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: d) All of the above

5) What will be the output after execution of the program?

   ```c
   #include <stdio.h>
   int main()
   {
       int i, a[4]={3,1,2,4}, result;
       result=a[0];
       for(i=1; i<4; i++)
       {
           if(result > a[i])
               continue;
           result=a[i];
       }
       printf("%d", result);
       return 0;
   }
   ```

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 4
6) Which assignment is not valid for integer arrays in C programming? (arr, arr1 and arr2 are integer arrays)

a) arr[4]={1,2,5,3,4};
b) arr[]={1,2,3,4}
c) arr1=arr2
d) All are valid assignment

No, the answer is incorrect.
Score: 0
Accepted Answers:
- c) arr1=arr2

7) What will be the output?
#include <stdio.h>
int main()
{
    int arr[]={1,2,3,4,5,6};
    int i, j, k;
    j=++arr[2];
    k=arr[1]++;
    i=arr[j++];
    printf("i=%d, j=%d, k=%d", i,j,k);
    return 0;
}

a) i=5, j=5, k=2
b) i=6, j=5, k=3
a) i=6, j=4, k=2
d) i=5, j=4, k=2

No, the answer is incorrect.
Score: 0
Accepted Answers:
- a) i=5, j=5, k=2

8)
What will be the output when the following code is executed.

```
#include <stdio.h>
int main()
{
    int a[6]={1,2,3,4,5,6};
    switch(sizeof(a))
    {
    case 1:
    case 2:
    case 3:
    case 4:
    case 5:
        printf("IIT KGP");
        break;
    }
    printf("IIT MADRAS");
    return 0;
}
```

No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: String) IIT MADRAS

1 point
How many ‘a’ will be printed when the following code is executed?

```c
#include <stdio.h>
int main()
{
    int i = 0;
    char c = 'a';
    while (i < 5)
    {
        i++;
        switch (c)
        {
            case 'a':
                printf("%c ", c);
                break;
        }
    }
    printf("a\n");
    return 0;
}
```

Hint:
No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 6

1 point
10 Find the output of the following C program
#include<stdio.h>
int main()
{
    int a;
    int arr[5] = {1, 2, 3, 4, 5};
    arr[1] = ++arr[1];
    a = arr[1]++;
    arr[1] = arr[a++];
    printf("%d,%d", a, arr[1]);
    return 0;
}

a) 5,4  
b) 5,5  
c) 4,4  
d) 3,4

No, the answer is incorrect.
Score: 0
Accepted Answers:
c) 4,4