Quiz 3

The due date for submitting this assignment has passed. Due on 2018-02-28, 23:55 IST.
As per our records you have not submitted this assignment.

1) Scope of a variable is the time period for which the value of the variable is valid.  
   True  
   False

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

2) The default parameter passing mechanism is
   - call by value  
   - call by reference  
   - call by value result  
   - None of the above

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

3) What will be the output of the following program?

```c
#include<stdio.h>
int demo(int i)
{
    void main()
    {
        int i=demo(10);
        printf("%d",-i);
    }
    int demo(int i)
    {
        return i;
    }
}
```

10  
9  
11  
None of the above
4) Find the output of the program.

```c
#include<stdio.h>
int fun(int x, int y)
{
    if(x -- 0)
        return y;
    else
        return fun(x - 1, x + y);
}
void main()
{
    int a=fun(5,2);
    printf("%d",a);
}
```

- 10
- 15
- 14
- 17

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

5) What is the running time of the program?

```c
#include<stdio.h>
void main()
{
    int i = 0, j = 0;
    for(i=0; i < n; i++)
        while(j < n)
            j++;
}
```

- O(n)
- O(n^2)
- O(nlogn)
- O(log n)

No, the answer is incorrect.
Score: 0
Accepted Answers:
O(n)

6) When a function is called recursively, all the automatic variables are stored in a ........

- Stack
- Array
- Linked List
- None of the above

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

7) What is the running time of the following program?

```c
#include<stdio.h>
void main()
{
    int i = 0, j = 0;
    for(i=0; i < n; i++)
        while(j < n)
            j++;
}
```

- O(n)
- O(n^2)
- O(nlogn)
- O(log n)

No, the answer is incorrect.
Score: 0
Accepted Answers:
O(n)
#include<stdio.h>
void main()
{
    int i,j,n=100;
    for(i=2 ; i<=n ; i=i*4){
        printf("%d",i);
    }
    for(j=n ; j>=2 ; j=j/2){
        printf("%d",j);
    }
}

- O(n)
- O(lg n)
- O(n^2)
- O(sqrt(n))

No, the answer is incorrect.
Score: 0
Accepted Answers:
O(lg n)

8) When an array is passed as an argument to a function, the argument is interpreted as......

- address of the array
- address of the first element of the array
- a copy of the array
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers:
address of the first element of the array

9) What is the output of the program?

#include<stdio.h>
int f(int i){
    if(i%2==0)
        return 0;
    else
        return 1;
}
void main()
{
    int i=3;
    i=f(i);
    i=f(i);
    printf("%d",i);
}

- 3
- 1
- 0
- 2

No, the answer is incorrect.
Score: 0
Accepted Answers:
1
Point out the line in the following code segment which would result in a compilation error:

```c
#include<stdio.h>  //line1
void fun1() {       //line2
    printf("Hello");  //line3
}                  //line4
void main() {       //line5
    printf("Hello");  //line6
}                  //line7
int a=10;           //line8
a=fun1();           //line9
}                   //line10
```

- line6
- line7
- line9
- line2

No, the answer is incorrect.
Score: 0
Accepted Answers: line9