Assignment 7

The due date for submitting this assignment has passed. Due on 2020-03-18, 23:59 IST. As per our records you have not submitted this assignment.

1) In C language the last character of a string is
   - a) \n
   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   b) \0

2) Consider the following declaration of a two-dimensional array in C:
   char A[100][100];

   Assuming that the main memory is byte-addressable and that the array is stored starting from memory address 0, the address of A[40][50] is
   - a) 4040
   - b) 4050
   - c) 5040
   - d) 5050

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   b) 4050

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

```c
#include <stdio.h>

int main()
{
    char str1[] = "Week-7-Assignment";
    char str2[] = { 'W', 'e', 'c', 'k', ',', '7', ',', 'A', 's', 's', 'i', 'g', 'n', 'm', 'e', 'n', 't' };
    int n1 = sizeof(str1)/sizeof(str1[0]);
    int n2 = sizeof(str2)/sizeof(str2[0]);
    printf("n1 = %d, n2 = %d", n1, n2);
    return 0;
}
```

- a) n1=18, n2=17
- b) n1=18, n2=18
- c) n1=17, n1=17
- d) n1=17, n2=18

No, the answer is incorrect.
Score: 0
Accepted Answers:
- a) n1=18, n2=17

Which of the following is a disadvantage of linear search?

- a) Requires more space
- b) Greater time complexities compared to other searching algorithms
- c) Not easy to understand
- d) All of the mentioned

No, the answer is incorrect.
Score: 0
Accepted Answers:
- b) Greater time complexities compared to other searching algorithms
5) What will be the output?

```c
#include<stdio.h>
#include<string.h>

int main()
{
    printf("\%s", strcpy(str2, strcat(str1, str2)));
    return 0;
}
```

- a) hello
- b) world
- c) world hello
- d) hello world

No, the answer is incorrect.

Score: 0
Accepted Answers:
- d) hello world

6) To get the output as “Hwi orea”, what should be the condition inside the ‘if’ statement?

```c
#include<stdio.h>

int main()
{
    int i;
    char s[] = "How is your exam";
    for(i = 0; s[i] != '\0'; ++i)
    {
        if(__________)
            printf("\%c", s[i]);
    }
    return 0;
}
```

- a) (i%3) == 0
- b) (i%2) == 0
- c) (s[i]%3) == 0
- d) (s[i]%2) == 0
What will be the value of ‘i’ after the execution of the C code fragment given below?

```c
static char str1[] = "dills";
static char str2[20];
static char str3[] = "daffo";
int i;
i = strcmp(strcat(str3, strcpy(str2, str1)), "daffodills");
```

- a) 0
- b) 1
- c) -1
- d) None

No, the answer is incorrect.
Score: 0
Accepted Answers:
a) 0
8) What will be the output?
#include<stdio.h>
#include<string.h>
int main()
{
    char p[] = "assignment";
    char t;
    int i, j;
    for(i=0, j=strlen(p); i<j; i++)
    {
        t = p[i];
        p[i] = p[j-i];
        p[j-i] = t;
    }
    printf("%s", p);
    return 0;
}

- a) assignment
- b) tneemgissa
- c) nothing will be printed
- d) ttttttttt

No, the answer is incorrect.
Score: 0
Accepted Answers:
- c) nothing will be printed
9) What will be the output?
#include<stdio.h>
void fu(int, int);
int main()
{
    char x=67, y='C';
    fu(x,y);
    return 0;
}
void fu(int x, int y)
{
    printf("%d,%d", x, y);
}

Hint
No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: String) 67,67

10 What will be returned by the function f(1)?
int f(int n)
{
    static int i = 1;
    if (n >= 5)
        return n;
    n = n+i;
    i++;
    return f(n);
}
No, the answer is incorrect.
Score: 0
Accepted Answers:
(Type: Numeric) 7

1 point