CS1010E - Character strings and pointers

Assessment Title :

Character strings and pointers

Number of Attempts :

1 out of unlimited

Duration :

11s

Start Time :

24-Nov-2016 12:32 PM

Total Marks :

0 out of 10

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❯ Section 1

1) What is the output of the following program fragment?

```
char s[40] = "abcdefg";

s[3] = 0;
printf("%s\n", s);
```

○ ab

○ abc

○ ab0defg

○ abc0efg

2) What is the output of the following program?

```c
#include <stdio.h>
int f(char *s, char c);

int main(void) {
    char s1[40] = "abacca";

    printf("%d\n", f(s1, 'a'));
    return 0;
}

int f(char *s, char c) {
    int i = 0, n = 0;

    while (s[i] != '\0') {
        if (s[i] == c) {
            n++;
        }
        i++;
    }
    return n;
}
```

- ○ 0
- ○ 2
- ○ 3
- ○ 5

3) What is the output of the following program fragment?

```c
printf("%d\n", strcmp("HELLO", "hello"));
```

- ○ 0
- ○ A negative integer.
- ○ A positive integer.
- ○ An error occurs.

4) What is the output of the following program fragment?

```c
char str1[40] = "Hello", str2[40] = "Hello";

if (str1 == str2) {
    printf("true ");
} else {
    printf("false ");
}

if (strcmp(str1,str2) == 0) {
    printf("true\n");
} else {
    printf("false\n");
}
```

○ false false

○ false true

○ true false

○ true true

Correct Answer :	false true
Your Marks :	0 out of 1

5) What is the output of the following program fragment?

```c
char s0[40] = "acabbcab", s1[40] = "uzz";
char *t;

t = s0 + 5;
strcat(s1, t);
strcpy(t, s1);
printf("%s\n", s0);
```

○ acabb

○ acabbuzzcab

○ auzzcabbcab

○ buzz

Correct Answer :	acabbuzzcab
Your Marks :	0 out of 1

6) What is the output of the following program fragment?

```c
char s[40] = "def", t[40] = "ghi";

printf("%s\n", strcat(s, strcat(t, "abc")));
```

- ○ abc
- ○ abcghidef
- ○ defghiabc
- ○ ghiabc

Correct Answer :	defghiabc
Your Marks :	0 out of 1

7) What is the output of the following program fragment?

```
int a[4] = {1, 3, 5, 7};
int *ptr;

ptr = &(a[1]);
(*ptr)++;
printf("%d\n", *ptr);
```

- ○ 3
- ○ 4
- ○ 5
- ○ 6

Correct Answer :	4
Your Marks :	0 out of 1

8) What is the output of the following program fragment?

```
int a[4] = {1, 3, 5, 7};
int *ptr;

ptr = &(a[1]);
ptr++;
printf("%d\n", *ptr);
```

- ○ 3
- ○ 4
- ○ 5
- ○ 6

Correct Answer :	5
Your Marks :	0 out of 1

9) What is the output of the following program fragment?

```
int a[4] = {3, 2, 0, 1}, i;

i = *(a + *(a + *a)));
printf("%d\n", i);
```

- ○ 0
- ○ 1
- ○ 2
- ○ 3

Correct Answer :	2
Your Marks :	0 out of 1

10) What is the output of the following program fragment?

```
int i = 5, j = 10;
int *p, *q;

p = &i;
q = &j;
p = q;
*p = *p + *q;

printf("%d\n", *q);
```

- ○ 5
- ○ 10
- ○ 15
- ○ 20

Correct Answer :	20
Your Marks :	0 out of 1

⊗ Close