Question-Answers:

Section - 1 - MCQ

Question 1:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **51 secs**

What is the difference between a while loop and a do-while loop in C language?

- ✓ While loops check conditions before execution, do-while loops check conditions after execution
- ○ While loops only execute once, do-while loops execute multiple times
- ○ While loops cannot handle complex conditions, do-while loops can handle complex conditions
- ○ None of these

Candidate Answer:

- ✓ While loops check conditions before execution, do-while loops check conditions after execution

Question 2:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **50 secs**

What is the purpose of a function in C language?

- ○ To break a program into smaller modules
- ✓ To perform specific tasks
- ○ To store data
- ○ All of these

Candidate Answer:

- ✓ To perform specific tasks

Question 3:

Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **1/1**
Time spent: **46 secs**

What is the use of a pointer in C language?

- ✓ To store the address of a variable
- ○ To store the value of a variable
- ○ To store data in an array
- ○ None of these

Candidate Answer:

✅ To store the address of a variable

Question 4:

What is the use of a semicolon in C language?

✅ To denote the end of statements

⚪ To denote the end of a function

⚪ To denote the end of a program

⚪ None of these

Candidate Answer:

✅ To denote the end of statements

Question 5:

What is the output of the following code in C?
int x = 5;
printf("%d", x++);

✅ 5

⚪ 6

⚪ 10

⚪ 11

Candidate Answer:

✅ 5

Question 6:

What is the value of the expression (5 > 2) in C?

⚪ false

⚪ true

⚪ 0

✅ 1

Candidate Answer:

✅ 1

Question 7:

What is the syntax for declaring an array in C language?

✅ int array[10];

⚪ float array;

⚪ char array[];

⚪ None of these

Candidate Answer:

✅ int array[10];

Question 8:

What is the purpose of a loop in C language?

✅ To execute a set of statements multiple times

⚪ To check for conditions

⚪ To store data

⚪ None of these

Candidate Answer:

✅ To execute a set of statements multiple times

Question 9:

What is the difference between an if statement and a switch statement in C language?

⚪ If statements can only be used for simple conditions, switch statements can handle complex conditions

⚪ If statements can only handle one condition, switch statements can handle multiple conditions

✅ If statements can handle multiple conditions, switch statements can only handle one condition

If statements can handle multiple conditions, switch statements can only handle one condition

○ None of these

Candidate Answer:

✓ If statements can handle multiple conditions, switch statements can only handle one condition

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Question 10:

⚑ Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **0/1**
Time spent: **1 min, 23 secs**

What is the purpose of the main() function in C language?

○ To initialize variables

✓ To start the flow of a program

○ To call other functions

○ All of these

Candidate Answer:

✗ All of these

Section - 2 - MCQ

Question 1:

⚑ Total Time Spent Outside: **0 sec**
Total Move Count: **0**

Score: **2/2**
Time spent: **2 mins, 35 secs**

What will be the output of the following code?

```
#include<stdio.h>
int main()
{
int arr[] = {4, 5, 6, 7};
int *p = (arr + 3);
printf("%d",*arr + 9);
return 0;
}
```

✓ 13

○ 15

○ 16

○ error

Candidate Answer:

✓ 13

Question 2:

What is the difference between a for loop and a while loop in C?

- ○ There is no difference, both for and while loops are the same

- ✓ The for loop allows you to specify the number of times the loop will run, while the while loop runs until a certain condition is met

- ○ The while loop allows you to specify the number of times the loop will run, while the for loop runs until a certain condition is met

- ○ The while loop is faster than the for loop

Candidate Answer:

- ✓ The for loop allows you to specify the number of times the loop will run, while the while loop runs until a certain condition is met

Question 3:

What will be the output of the following code?
```
#include<stdio.h>
#include<string.h>
int main()
{
char string1[10] ="WelcomeTo";
char string2[20] ="ChitkaraUniversity";
strncat(string1,string2, 8);
printf("%s", string1);
return 0;
}
```

- ○ Welcome

- ○ WelcomeTo

- ○ WelcomeToChitkaraUniversity

- ✓ WelcomeToChitkara

Candidate Answer:

- ✓ WelcomeToChitkara

Question 4:

What will be the output of the following code?

```c
#include <stdio.h>
int main()
{
int x = 10;
int y = 20;
int *ptr1 = &x;
int *ptr2 = &y;
ptr1 = ptr2;
printf("%d %d", *ptr1, *ptr2);
return 0;
}
```

- ○ 10 20
- ☑ 20 20
- ○ 10 10
- ○ 20 10

Candidate Answer:

- ☑ 20 20

Question 5:

What will be the output of the following code?

```c
#include <stdio.h>
#include <string.h>
int main()
{
char name[10] = "Hello";
printf("%c", name[8/2]);
return 0;
}
```

- ○ H
- ○ e
- ☑ o
- ○ Garbage value

Candidate Answer: