Started on	Thursday, 1 October 2020, 8:00 AM
State	Finished
Completed on	Thursday, 1 October 2020, 8:14 AM
Time taken	13 mins 15 secs
Marks	11.67/15.00
Grade	**77.78** out of 100.00

Question 1

Correct

Mark 1.00 out of 1.00

How many times will the `printf` statement be executed?

```
int i = 0;
do {
  printf("%d\n", i++);
} while (i < 10);
```

Select one:

- ○ 0   **cross out**
- ○ 1   **cross out**
- ○ 9   **cross out**
- ◉ 10 ✔   **cross out**
- ○ 11   **cross out**
- ○ Infinitely many times   **cross out**

Your answer is correct.

Click "Next page" to continue

The correct answer is: 10

Question 2

Correct

Mark 1.00 out of 1.00

The following `for` statement will loop through all lowercase letters.

```
for (char ch = 'a'; ch <= 'z'; ch++)
```

Select one:
- ◉ True ✔   **cross out**
- ○ False   **cross out**

Your answer is correct.

Click "Next page" to continue

The correct answer is: True

Question 3

Incorrect

Mark 0.00 out of 1.00

The `char` type is signed by default.

Select one:

○ True ✖   **cross out**

○ False. It's unsigned by default.   **cross out**

○ False. Its signedness is implementation-specific.   **cross out**

Your answer is incorrect.

Click "Next page" to continue

The correct answer is: False. Its signedness is implementation-specific.

Question 4

Partially correct

Mark 0.67 out of 1.00

Which of the following can be stored in a `char` variable?

Select all that apply:

☑ 'a' ✔   **cross out**

☑ '1' ✔   **cross out**

☐ "11"   **cross out**

☐ 11   **cross out**

☐ 10000   **cross out**

Your answer is partially correct.

Click "Next page" to continue

The correct answers are: 'a', '1', 11

Question 5

Correct

Mark 1.00 out of 1.00

How many bits are used to determine the sign of a `float`?

Select one:

○ 0   **cross out**

● 1 ✔   **cross out**

○ 8   **cross out**

○ 32   **cross out**

○ 64   **cross out**

Your answer is correct.

Click "Next page" to continue

The correct answer is: 1

Question 6

Incorrect

Mark 0.00 out of 1.00

The `int` type is signed by default.

Select one:

○ True   **cross out**

○ False. It's unsigned by default.   **cross out**

● False. Its signedness is implementation-specific. ✖   **cross out**

Your answer is incorrect.

Click "Next page" to continue

The correct answer is: True

Question 7

Correct

Mark 1.00 out of 1.00

Suppose we have the following variables:

```
int x = 104;
unsigned int y = 105;
```

What will the expression `x - y > 0` evaluate to?

Select one:

- ⦿ True ✔   **cross out**
- ○ False   **cross out**

Your answer is correct.

Click "Next page" to continue

The correct answer is: True

Question 8

Correct

Mark 1.00 out of 1.00

What is the conversion specifier for a number in base 8?

Select one:

- ○ `%8`   **cross out**
- ⦿ `%o` ✔   **cross out**
- ○ `%d`   **cross out**
- ○ `%x`   **cross out**

Your answer is correct.

Click "Next page" to continue

The correct answer is: `%o`

Question 9

Correct

Mark 1.00 out of 1.00

In the following lines of code, what will be the value of `ch` if `65` is entered in `stdin`?

```
char ch;
scanf("%c", &ch);
```

Select one:

- ○ A   **cross out**
- ○ a   **cross out**
- ○ 5   **cross out**
- ⦿ 6 ✔   **cross out**
- ○ 65   **cross out**

Your answer is correct.

Click "Next page" to continue

The correct answer is: 6

Question 10

Correct

Mark 1.00 out of 1.00

How many times will the `printf` statement be executed?

```
for (int i = 0; i < 10; ++i) {
  if (i == 5) {
    break;
  }
  printf("%d\n", i);
}
```

Select one:

- ○ 0 — cross out
- ○ 4 — cross out
- ◉ 5 ✔ — cross out
- ○ 9 — cross out
- ○ 10 — cross out
- ○ 11 — cross out
- ○ Infinitely many times — cross out

Your answer is correct.

Click "Next page" to continue

The correct answer is: 5

Question 11

Correct

Mark 1.00 out of 1.00

How many times will the body of the following for loop execute?

```
for (int i = 0; i++ < 10;) {
  printf("%d\n", i);
}
```

Select one:

- ○ 0 — cross out
- ○ 9 — cross out
- ◉ 10 ✔ — cross out
- ○ 11 — cross out
- ○ Infinitely many times — cross out

Your answer is correct.

Click "Next page" to continue

The correct answer is: 10

Question 12

Correct

Mark 1.00 out of 1.00

How many times will the `printf` statement be executed?

```
for (int i = 0; i < 10; ) ;
  printf("%d\n", i++);
```

Select one:

- ◉ 0 ✔ — cross out
- ○ 1 — cross out
- ○ 10 — cross out
- ○ 11 — cross out
- ○ Infinitely many times — cross out

Your answer is correct.

Click "Next page" to continue

The correct answer is: 0

Question 13

Correct

Mark 1.00 out of
1.00

How many times will the `printf` statement be executed?

```
for (int i = 0; i < 10; ++i) {
  switch (i) {
    case 5: break;
  }
  printf("%d\n", i);
}
```

Select one:

○ 0   cross out

○ 4   cross out

○ 5   cross out

○ 9   cross out

◉ 10 ✔   cross out

○ 11   cross out

○ Infinitely many times   cross out

Your answer is correct.

Click "Next page" to continue

The correct answer is: 10

Question 14

Incorrect

Mark 0.00 out of
1.00

How many times will the `printf` statement be executed?

```
for (int i = 0; i < 10; ++i) {
  switch (i) {
    case 5: continue;
    default: break;
  }
  printf("%d\n", i);
}
```

Select one:

○ 0   cross out

○ 4   cross out

○ 5   cross out

○ 9   cross out

◉ 10 ✘   cross out

○ 11   cross out

○ Infinitely many times   cross out

Your answer is incorrect.

Click "Next page" to continue

The correct answer is: 9

Question 15

Correct

Mark 1.00 out of 1.00

What will be the output of this block of code?

```
int i = 0;
for (i = 0; i < 10; ++i) ;
printf("i = %d\n", i);
```

Select one:

○   i = 0   **cross out**

○   i = 1   **cross out**

○   i = 9   **cross out**

◉   i = 10 ✔   **cross out**

○   Nothing will be printed.   **cross out**

Your answer is correct.

Click "Next page" to continue

The correct answer is: i = 10

◄ Practice Quiz #3   Jump to...   Plagiarism Quiz #2 ►

Question 15

Correct

Mark 1.00 out of 1.00

What will be the output of this block of code?

```
int i = 0;
for (i = 0; i < 10; ++i) ;
printf("i = %d\n", i);
```

Select one:

○   i = 0

○   i = 1

○   i = 9