

Started on Wednesday, 20 September 2023, 9:00 AM

State Finished

Completed on Wednesday, 20 September 2023, 9:45 PM

Time taken 12 hours 45 mins

Grade 13.00 out of 14.00 (93%)

Question **1**

Correct

Mark 1.00 out of 1.00

Match the following 32 keywords:

int char float double void

primitive (primary) data types



struct union enum (array and pointer)

derived (user defined) data types



long short unsigned signed

data type modifiers



const volatile

data type qualifiers



auto extern register static

variables/functions storage class



if else switch case default

conditional check keywords



do while for goto break continue

flow control keywords



typedef sizeof return

miscellaneous keywords



Your answer is correct.

The correct answer is:

int char float double void → primitive (primary) data types, struct union enum (array and pointer) → derived (user defined) data types,

long short unsigned signed → data type modifiers,

const volatile → data type qualifiers,

auto extern register static → variables/functions storage class,

if else switch case default → conditional check keywords,

do while for goto break continue → flow control keywords,

typedef sizeof return

→ miscellaneous keywords

Question **2**

Correct

Mark 1.00 out of 1.00

The smallest number that can be represented by the C data type "long int" of 4-byte size is -----

- ☐ a. -32767
- ☐ b. -2147483646
- ☒ c. -2147483648
- ☐ d. -2147483647



Your answer is correct.

The correct answer is:
-2147483648

Question **3**

Correct

Mark 1.00 out of 1.00

Assuming correct syntax, what is the output of the following code segment?

```
int main()
{
{
int i = 7;
{
int i = 20, j = 34;
printf("%d%d", i, j);
}
printf("%d%d", i, j);
}
return 0;
}
```

- ☒ a. Compilation Error
- ☐ b. 7342034
- ☐ c. 2034734
- ☐ d. 20342034



Your answer is correct.

The correct answer is:
Compilation Error

Question 4

Incorrect

Mark 0.00 out of 1.00

What is the output?

```
1. #include <stdio.h>
2. int main()
3. {
4.     int var = 234;
5.     int var = 134;
6.     printf("abc!  %d\n", var);
7.     return 0;
8. }
```

- ☐ a. abc! 234
- ☐ b. compilation error
- ☐ c. abc! some trash value
- ☒ d. abc! 134



Your answer is incorrect.

The correct answer is:

compilation error

Question 5

Correct

Mark 2.00 out of 2.00

What exactly is printed as the output?

```
int x;
    float y;

y = x = 3.6;
printf("x=%d y=%f", x, y);
```

- ☐ a. 3.000000 3.600000
- ☐ b. 3 3.000000
- ☐ c. 3 0.6
- ☒ d. 3 3.600000



Your answer is correct.

The correct answers are:

3 3.000000,

3 3.600000

Question **6**

Correct

Mark 2.00 out of 2.00

Choose the correct statement among the following

- ☐ a. The value of a constant can be changed within the body of main function
- ☐ b. Constants and Variables can not be declared in the main function.
- ☐ c. None of the above
- ☒ d. A variable value can change according to needs.



Your answer is correct.

The correct answer is:

A variable value can change according to needs.

Question **7**

Correct

Mark 1.00 out of 1.00

Which is correct with respect to the size of the data types?

- ☐ a. $\text{int} > \text{char} > \text{float}$
- ☐ b. $\text{char} > \text{int} > \text{float}$
- ☒ c. $\text{char} < \text{int} < \text{double}$
- ☐ d. $\text{double} > \text{char} > \text{int}$



Your answer is correct.

The correct answer is:

$\text{char} < \text{int} < \text{double}$

Question 8

Correct

Mark 1.00 out of 1.00

What is the output?

```
#include <stdio.h>

int main(void)
{
    int var = 0b110;
    printf("\n%d",var);
    return 0;
}
```

- ☐ a. 23
- ☐ b. 110
- ☐ c. 24
- ☒ d. 6



Your answer is correct.

The correct answer is:

6

Question 9

Correct

Mark 1.00 out of 1.00

Which of the following statement is false?

- ☐ a. A variable refers to a location in memory
- ☐ b. A global variable is visible outside every function
- ☐ c. A variable defined once can be defined again with different scope
- ☒ d. A single variable can be defined with two different types in the same scope



Your answer is correct.

The correct answer is:

A single variable can be defined with two different types in the same scope

Question **10**

Correct

Mark 1.00 out of 1.00

The words that are a part of the standard C language library are called ----- . There are 32 of them in C language.

Answer: keywords



The correct answer is: Keywords

Question **11**

Correct

Mark 1.00 out of 1.00

What is printed when the following code is executed?

```
#include <stdio.h>
#include <stdbool.h>

int main()
{
    bool arr[10] = { true, false };
    printf( "%ld\n", sizeof(arr) );
    return 0;
}
```

Answer: 10



The correct answer is: 10


Question **12**

Correct

Mark 1.00 out of 1.00

Each variable in C has a specific type, which determines the size and layout of the variable's memory; the range of values that can be stored within that memory; and the set of operations that can be applied to the variable.

Select one:

- ☒ True 
- ☐ False

The correct answer is 'True'.

[◀ OpenQuiz on Number Systems](#)

Jump to...

[OpenQuiz on Input_Output Systems ▶](#)

