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Grade 3.00 out of 5.00 (60%)

Question 1

Incorrect

Mark 0.00 out of
1.00

What is the primary purpose of the "break" statement in a switch statement in C?

- ☐ a. To terminate the switch statement and transfer control outside of it.
- ☐ b. To skip the current iteration of the loop.
- ☐ c. To exit the entire loop or function.
- ☒ d. To jump to a specific case label within the switch statement. ✖

The correct answer is: To terminate the switch statement and transfer control outside of it.

Question 2

Incorrect

Mark 0.00 out of 1.00

When reading a binary file in C using fread, what is the purpose of the third parameter (size_t size) in the function signature?

- ☒ a. It specifies the size of each data element to be read. ✖
- ☐ b. It indicates the number of elements to be read.
- ☐ c. It represents the file position indicator.
- ☐ d. It is used for error checking during file reading.
- ☐ e. None of these

The correct answer is: It indicates the number of elements to be read.

Question 3

Correct

Mark 1.00 out of 1.00

In C programming, what is the purpose of a function pointer?

- ☐ a. It provides a way to pass a variable number of arguments to a function.
- ☐ b. It enables a function to call itself recursively.
- ☒ c. It points to the address of a function, allowing indirect invocation. ✔
- ☐ d. None of these
- ☐ e. It allows a function to access global variables directly.

The correct answer is: It points to the address of a function, allowing indirect invocation.

Question 4

Correct

Mark 1.00 out of 1.00

What is the purpose of the "typedef" keyword in C?

- ☐ a. Declare a variable as a type with multiple pointers
- ☐ b. Specify a constant value for a variable
- ☐ c. Allocate memory for a user-defined data type
- ☒ d. Create a new data type name for an existing data type ✓
- ☐ e. None of these

The correct answer is: Create a new data type name for an existing data type

Question 5

Correct

Mark 1.00 out of 1.00

In C programming, what is the purpose of the "sizeof" operator?

- ☐ a. It determines the number of elements in a structure.
- ☐ b. It computes the length of a string.
- ☐ c. None of these
- ☒ d. It evaluates the size of a variable or data type. ✓
- ☐ e. It calculates the size of an array.

The correct answer is: It evaluates the size of a variable or data type.