**Questions for this assignment**

What is a variable in C#?

What are the different data types in C#?

What is the default value of an uninitialized variable in C#?

What is a control statement in C#?

What is the difference between the "if" and "switch" statements in C#?

What is a loop in C#?

What is the difference between the "for" and "while" loops in C#?

What is the purpose of the "break" and "continue" statements in C#?

What is a variable in C#?

A variable is a named storage location in memory that stores data of a specific type. It is used to store and manipulate data during program execution.

What are the different data types in C#?

C# supports various data types, including integer, floating-point, character, Boolean, string, object, and many more.

What is the default value of an uninitialized variable in C#?

The default value of an uninitialized variable in C# depends on its data type. For example, the default value of an integer variable is 0, and the default value of a Boolean variable is false.

What is a control statement in C#?

A control statement is a statement that controls the flow of execution in a program. It includes decision-making statements like if-else, switch, and iteration statements like for, while, do-while, etc.

What is the difference between the "if" and "switch" statements in C#?

The "if" statement is used to execute a block of code based on a single condition, whereas the "switch" statement is used to execute a block of code based on multiple conditions.

What is a loop in C#?

A loop is a control structure that allows a block of code to be executed repeatedly. There are three types of loops in C#: for, while, and do-while.

What is the difference between the "for" and "while" loops in C#?

The "for" loop is used when the number of iterations is known in advance, whereas the "while" loop is used when the number of iterations is unknown and depends on a condition.

What is the purpose of the "break" and "continue" statements in C#?

The "break" statement is used to terminate a loop early, whereas the "continue" statement is used to skip to the next iteration of the loop.