

[illegible]

QUESTION		ANSWER
1	What is the purpose of the 'if' statement in programming?	To execute a block of code only if a certain condition is true.
2	What is the difference between a variable and a constant?	A variable can change its value, while a constant's value is fixed and cannot be changed.
3	What is a loop in programming?	A loop is a control flow statement that allows code to be executed repeatedly based on a given logic.
4	What is the purpose of a function in programming?	To perform a specific task or calculation, and to reuse code throughout a program.
5	What is an array in programming?	A collection of elements, each identified by an index or key.
6	What is the difference between a list and a tuple?	A list is mutable (can be changed), while a tuple is immutable (cannot be changed).
7	What is a dictionary in programming?	A collection of key-value pairs, where each key is unique.
8	What is the purpose of a class in programming?	To define a blueprint for creating objects, which can have attributes and methods.
9	What is an object in programming?	An instance of a class, which has its own set of attributes and methods.
10	What is the difference between a class and an object?	A class is a blueprint, while an object is an instance of that blueprint.

