Declarative

Declarative programming focuses on stating the desired result rather than the exact series of instructions that need to be performed to get to the result. It is the role of the programming language to determine how best to obtain the result and the details about how it is obtained are abstracted from the user. This type of programming is common in expert systems and artificial intelligence.

Types of Declarative Programming

**Functional Programming**

Functional programming is a programming paradigm that emphasizes writing programs using functions. In functional programming, functions are assigned to variables, passed as arguments to other functions, and returned as results from functions.

Instead of changing the state of variables or using loops to modify data, functional programming focuses on applying functions to input data and producing new output data without modifying the original data.

Logic programming

Logic programming is a programming paradigm that is based on formal logic and declarative programming principles. In logic programming, instead of specifying a sequence of instructions for the computer to follow, you define a set of logical rules and facts that describe relationships and constraints within a problem domain.

Database Processing

Database processing refers to the management and manipulation of data stored in a database. It involves performing various operations on the data to store, retrieve, modify, and analyze information efficiently and accurately.