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APPLIED LINGUISTICS IN PROGRAMMING

Linguistics deals with the study of particular languages, and the search for general properties common to all languages or large groups of languages.

Applied Linguistics is using what it is known about language, how it is learned, and how it is used, in order to achieve some purpose or solve some problems in the real world. Applied linguistics includes topics such as language for special purposes: communication problems related to aviation, language disorders, law, medicine, science, language policy, and language and literacy issues. The focus of applied linguistics is on trying to resolve language-based problems that people encounter in everyday life, whether they are learners, teachers, supervisors, academics, lawyers, service providers, those who need social services, test takers, policy developers, dictionary makers, translators, or a whole range of business clients.

A language is a system of communication which consists of a set of sounds and written symbols which are used by the people of a particular country or region for talking or writing.

A programming language is a vocabulary and set of grammar rules for instructing a computer or computing device to perform specific tasks. The term programming language usually refers to C, C++, Java, C#, PHP, javascript, etc.

Applied programming is developing process to solve specific problem. For example, website has been developed to sell products, an integrated development environment (IDE) is a software application that provides comprehensive facilities to computer programmers for software development.

There are a lot of solutions, principles and recommendations that can solve different kinds of problems concerned with programming design. Some of them are design patterns, SOLID principles, inversion of control, architecture patterns, etc. In programming, a design pattern is a general repeatable solution to a commonly occurring problem in software design. A design pattern isn't a completed design that can be transformed directly into code. It is a description or template for how to solve a problem. It can be used in many different situations. Design patterns can speed up the development process by providing tested, proven development paradigms. Patterns allow developers to communicate using well-known, well understood expressions for software interactions. Common design patterns can be improved over time, making them more robust than ad-hoc designs.

Design patterns are the solutions that are provided by applied linguistics, because:

- it is used to solve practical problems
- language is a central component
- it is concerned with principles and practices on the basis of language.
- It helps to bridge communication gaps between software developers.
- it improves software design

Applied linguistics can be used to solve problems in software development. Knowledge of programming languages can be applied in order to create different solutions that can help to achieve good software design.

REFERENCES

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