

FUNCTIONAL PROGRAMMING LANGUAGES

- Functional programming languages are specially designed to handle symbolic computation and list processing applications.
- Functional programming is based on mathematical functions.
- Some of the popular functional programming languages include: Lisp, Python, Haskell, etc.

Functional programming category:

1. Pure Functional Languages

2. Impure Functional Languages

1. Pure Functional Languages: These types of functional languages support only the functional paradigms. For example- Haskell.

2. Impure Functional Languages: These types of functional languages support the functional paradigms and imperative style programming. For example- LISP.

Advantages:

1. Bugs free code

2. Supports nested functions

3. Efficiency

References:

1. Sebesta, "Concept of programming Language", Pearson Edu
2. Loudon, "Programming Languages: Principles & Practices", Cengage Learning
3. Tucker, "Programming Languages: Principles and paradigms", Tata McGraw -Hill.
4. E Horowitz, "Programming Languages", 2nd Edition, Addison Wesley

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