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Procedural
Object Based
Object Oriented
Type Generic
Functional
#-----
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Procedural Programming -> def statement
Advanced Def statement -> Implicit state saving
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Implicit State Saving -> HIGHER ORDER FUNCTION + IMMUTABILITY FOR ALL -> FUNCTIONAL
PARADIGM
|
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|
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EXPLICIT -> OBJECT BASED PARADIGM
+
INHERITANCE HIERARCHY
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OBJECT ORIENTED PROGRAMMING

PROCEDURAL = def statement = stand-alone algorithm
OBJECT BASED = class statement -> Data strucutre -> CONTAINER

STATIC ANNOTATED TYPE SYSTEMS -> C++ | JAVA

GENRICITY (TEMPLATES OR GENERICS)

TYPE GENERIC PROGRAMMING
#-----
PROCEDURE -> TURING MACHINE

pushl %ebp
movl %esp, %ebp

movl %ebp, %esp
popl %ebp
ret
#-----
```