

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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EXPLICIT -> OBJECT BASED PARADIGM  
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INHERITANCE HIERARCHY  
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OBJECT ORIENTED PROGRAMMING

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

STATIC ANNOTATED TYPE SYSTEMS -> C++ | JAVA

GENRICITY (TEMPLATES OR GENERICS)

TYPE GENERIC PROGRAMMING

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PROCEDURE -> TURING MACHINE

pushl %ebp  
movl %esp, %ebp

movl %ebp, %esp  
popl %ebp  
ret

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