Introduction to Programming: a) Types of languages b) Memory Management a) Types of Languages: - 1) procedural 2) Functional - 3) object Oriented 1> Procedural: Dspecifies a series of well-structured steps and procedures to compare a program. 2) Contains a systematic order of statements . Functions and procedures to compose a program. ex: phython, c, ctt, java, python 2> Functional: (For reuse) 1) Writing a program only in pure functions i.e never modify variables, but only creates new ones as an output. 2) used in situations where we have to perform lots of different operations on the some set of data, like ML. 3) First class functions? ex' python . 3) object Oriented: it perolves around objects. 2> code + pata = object 3> Developed to make it easier to develop, debug, reuse and maintain software. ex! python, c++, java

class: Named group of properties and functions

Static us Dynamic Lang

- Static:
 - -perform type checking at compile time
 - Emors will show at compile time.
 - Declare datatype before you use it.
 - More Control

Ex! C, C++, Java

String name = "sachin"

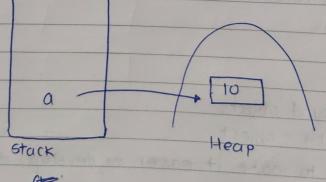
- Dynamic:
 - -perform type checking at nintime is running
 -Error might not show till program is run.

 - No need to declare datatype of variables.
 - -Saves time in writing code but might give error at runtime.

a="Sachin" corpora o postable

ex'python .

object ref variable



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