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## Types of Languages:=

- # At the Very basic level computer translates any language into 0's and 1's.
- 1) Procedural Language

  Specifies a Series of Well Structured order
  of Statements, Junctions and Commands to
  Complete a task.

Ex > Java, Python, C, C++ etc.

② Functional Language

Block of Code

Writing a program in pure dunctions

Also Jollow Jirst Class Junctions.

Ex+ Python Junctions in the language is

treated like any other Vaniables.

3 Object oriented Language

Code + data = Object

Developed to make it easier to develop,

debug and maintain.

Eg > Java , Python , C++

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#	Static VIs Dynamic Languages
	1 2 1 - 1 - 1 - 1 - 1 - 1 - 1 -
0	Static Languages
	A A A AL AL MAN LAND THE PROPERTY OF THE PARTY OF THE PAR
	have to specify the type
	int a = 10
	int a = "Yash" X
	The colonest language
	Compile Time Exxor
<u> </u>	> More Control
	the statement for services and Community to
	And a supplied
2	Dynamic Languages
	Ex + Jose Pater C C++ Ptc.
	Do not have to specify the type
	a = 10
9/103	a= "Yash"
2000	4 Runtime Error
	Saves time
	Fed Plans
#	Stack and Heap Memory
	Q=10
	A STATE OF THE STA
	Q 10 10
	restadairem tose fish
	Stack Heap
	E > July Behan C++
	github.com/YashDhasmana

Stack points towards heap. a = 10 # Objects have a type Can be defined using Rejenence Object Classes · Variable > Object Reference Variables if any change was made via lash regerence Variable, Original object Will be changed and Since all of the reference Variables are pointing towards the Same object, Change will be Visible to all the Variables.  $E_X \rightarrow$ \$[1,3,5,9] if, a[0] = 99 8 = [99,3,5,9]

