P	age	No.	
10	ate :	1	1

Types of Languages:=

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

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

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

@ Functional Language

> Writing a program in pune dunctions

Also Jollow Jirst Class Junctions.

Ext Python Junctions in the language is treated like any other Variables.

3 Object oriented Language

Code + data = Object

Developed to make it easier to develop,

debug and maintain.

Eg > Java , Python , C++

github.com/YashDhasmana

1111		Page No.		
		Date: / /		
#	Static VIs Dynamic Languages			
		4		
0	Static Languages			
		V see see w		
	have to specify the type			
	int a = 10			
	int a = "Yash" X			
	The same of the sa	Sentered a		
	Compile Time Exxor			
	> More Control	Carlot Carlot		
	de almontario de la Televisión de la Constantidad d			
	15.6 p. 14.6	400		
2	Dynamic Languages			
	Late to the Name of the Name o	of myd		
	Do not have to specify the type			
	a=10			
	a = " Yash"	14 14 14		
566.3	5 5588 4			
	G Runtime Error	Sign &		
	Saves time	ata		
-11.		and ed T		
#	Stack and Heap Memory			
	Q = 10			
	Q=10	41,213,112		
	a la			
	and the same of th	10		
		Head		
	(++) (10.00)	Heap		
		ashDhasmana		

Stack points towards heap-

a = 10

Objects have a type

Can be defined using

Classes .

Rejenence Object

Variable

Son brother Baby
Reference

Son Object

Son

Reference

if any change was made via Yash regenence 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.

Ex → a

\$[1,3,5,9]

B

([o] = 99

then,

B = [99,3,5,9]

Page No. Date: / Granbage Collection It hits when there is no negenence Variable-Object with no negenence Vaniable Removed Jrom memory when Rahul garbage Collection (gc) hits. Removed when gc hits. a = (10 a = 30 github.com/YashDhasmana