PG43, Jaynan Madi. G3

Theory Assignment - 1.

- What are different programourg paradigmis?
- Imperative: The imperative programming paradigm assumes that the computer can maintain through environments of variables leany changes in a computation process.
- logical: The logical paradigm makes logical assertions about a situation, establishing all known facts.
- Functional! The functional paradigm views all subprograms as junctions in a mathematical sense. i-e. they take in and process arguments to produce a single output. ->
- Ubject-Oriented: The object-oriented paradigm -> is one in which real world objects are each niewed as seperate entities having their own state which is modified by procedures known as niethods.
- A programming language can be compiled or interpreted. Give relative aduantages re disadvantages of compilation li interpretation. have enamples of compiled en interpreted languages

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	Proceeds of Regarding languages (22/07)	
A	COMPILATION: SO	
	Aduantages:	
->	Self Contained.	
->	Efficient mon India	
->	Optimized accordingly	
7	portability.	6
mest	commes that the conjuder can magnifice	
	Disaduantages:	
	28 sorgi middliguras a	
\rightarrow	uneditable.	
-9	hardware dependent.	_
->	compilation time	
	all language lacks.	
*	INTERPRETATION:	
16	Fundaged! In Lindbord pasadigm view	<u> </u>
	Advattages:	
5d no	sense is they take in and grocess about	
>	portability between platforms.	
->	no compilation times.	
\rightarrow	easier to edit	-
7		
>	promotes rapid development.	
hond	souther which is modified by procedures	
6	Disaduantages:	
		3
N	requires interpretor to be exist on nature me	reline
->	increases program runtime	
->	source code will not be motected	

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*	Examples.
Ø	Compiled languages: C, C++, Enlang, Hashell, Rust & Go.
	Rust & Go,
	Interpreted languages! PHP, Ruby, Python. & Javascipt.
	Javascipt.
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