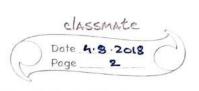
	HOW TO DESIGN PR	GN PROGRAMS ! PREFACE	
	K-12 tinker until it works		
		vs	
	systematic thought, planning, understanding		
	1.1.1.1.1.25		
	good program comparable to time tested poems		
	satisfaction comes with co	reative design	
A	to a great		
	SYSTEMATIC PROGRAM DE		
1	which functions are needed		
2.57 1	how to build them - from basing ingredients		
	2 concepts	enspiration:	
	· design recipes	- michael Jackson	
	· iterative refinement	creating cosol programs	
		- daniel briedman	
		recursion	
	design recipes (apply to)	- robert hamper	
	- complete programs	type theory	
	- individual functions	- daniel jackson	
£.		software design	
	- stripping away all inessential details - binding a solution for core problem		



DRRACKET AND THE TEACHING LANGUAGES

study of principles

acquisition of transferable skills

- gaming

- control of telescopic

arrays

SKILLS THAT TRANSFER

- analyze problem

- extract & express its essense description

- try examples

- make outlines through analysis attention to detail

- evaluate results vs etarget

- make revisions

(iterative development process)

lets do analysis

THIS BOOK AND ITS PARTS

intertwined data

how to program

the nature of numbers

fixed size data

generative recursion

begining student language

cost of computation

arbitratily large data

quote, unquote

scope & abstraction

the nature of numbers

generative recursion