Data Structures & Algorithms by Code With Harry This course will get you prepared for placements and will feach you how to create efficient and fast algorithms. Data structures and algorithms are two different things. Data Structures: Arrangement of data so that they can be used efficiently in memory (data ikms) Algorithms: Sequence of steps on data using efficient data structures to solve a given problem. Other Terminology Database -: Collection of information in permanent Storage for faster retrieval and updation. Data warehousing: Management of huge amount of legacy data for better analysis. Big data - Analysis of too large or complex data which cannot be dealt with traditional data processing application. Data Structures and Algorithms are nothing new: If
you have done programming in any language like C
you must have used Arrays -> Adata Structure and some
Sequence of processing Steps to Solve a problem -> Algorithm @

	Memory layout of C programs		
na t	When the program starts, its Code is copied to the main memory.	Heap Stack	
	memory.		
His		Uninitialized Data Static + global Initialized Data Variables	
1000	Stack holds the memory occupied by the functions.	Code Segment	
(a) 14	Arrangement of data to the life	Marshur (RAM)	
Marki T	Heap contains the data which is memory (RAM) requested by the program as dynamic memory.		
mein	memory.	Algorithms: Sca	
blem	STATE OF THE STATE		
	Intralized and uninitialized data segments hold initialized and uninitialized global variables respectively		
	Initianted with windings agous	variable as a support	
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