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 items) 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
you must have used Arrays -> Adata Structure and so
Sequence of processing Steps to Solve a problem -> Algorithm

	Memory layout of C programs	Data Skucku	
no.	When the program starts, its Code is copied to the main memory.	Heap Stack	
		Uninitialized Data Static + global	
HUM	Stack holds the memory occupied	Initialized Data / Variables	
	Stack holds the memory occupied by the functions.	Code Segment	
1 (d)	Heat contains the data which is	Memory (RAM)	
20121	granicated by the brookan as dynamic		
heins	memory.	Algorithms: Sea	
blem	Initialized and uninitialized data segments hold initialized and uninitialized global variables respectively		
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egacy	- Management of Luge smount of date for better sanolysis.	Data warehousing-	
ata	Big data - Analysis of too large or complex di which cannot be dealt with teadit		
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