

Introduction to Data Structures & Algorithms

should be able to use it in your work or in your projects or in your courses or in your projects that you are doing in the future or in your work that you are doing right now so if you want to use something then you should be able to use it in your work or in your projects or in your courses or in your future work or in your projects that you are doing right now . So data structures and algorithms are things that help us in our work or in our projects or in our courses or in our future projects or in our work or in our projects that we are doing right now so if you want to use something then you should be able to use it in your work or in your projects or in your courses or in your future work or in your projects that you are doing right now water in a pot and you put the tea bag in the cup and you make the coffee Now what is the difference between data structures and algorithms? Algorithms are specific steps that need to be taken in order to solve a problem. I have been in the industry for a long time now and I have seen a lot of people learning C , C++ and when they start to learn it they get very lost & confused & they don't know what they are doing & they don't know how to use the language properly & eventually they stop learning it & they end up becoming a beginner again & that is not good for the industry & it is not good for the learners either so I would say learn C , C++ & don't get lost in the language learning process

a break for a while I understand that you are very busy for the next few days and I understand that you are very busy for the next few weeks and I understand that you have a lot of questions so I 'll just stop now and I 'll come back to you in a few days and we will start the next video where we will talk about algorithms and data structures and then we will talk about interviews and then finally we will talk about the final exam and you can ask me any questions that you have in your mind so that 's all for now I 'll come back to you in a few days and we will start the next video what is the data structure of chrome so now we see that the data structure is called RAM so the data structure of a database is called RAM because when the program starts it will load into RAM the data structure of the database which is called RAM . And then you will get to hear this and it is asked in the interviews, "tell me, what is this?" So now we understand database, data warehouse, and big data here we have understood the data structure that when your program starts in RAM, it will load into the random access memory. I want to keep the data in a different database so what I have to do is I have to create a new database and I have to name it " legacyData " I have to create a new table in that database and I have to add the following column in the table " Birthday " I have to add the following column in the table " Year " Now I have to run the program and I will get the following result in the console " Facebook 2020 " Facebook 2021 " Facebook 2009 " " Facebook 2020 " Facebook 2021 " Facebook 2009 " " Facebook 2009 " You retrieve and read the data from hard disk drive and update it.

know these three terms because big data is what we are talking about here .memory location where the C program stores the data that is to be processed next and the heap is a memory location where the C program stores the data that is to be processed next but the data that is to be processed next is not always stored in the same location as the data that is to be processed next because the C program can keep data in different memory locations depending on the situation and this is why it is important for you to understand the stack and heap because you will be able to understand the C program better and be able to ask more questions on the C program. Alright ... I 'm talking about C program that 's why I say that you get a good picture of memory with the help of C programming therefore , data structures and algorithms is best learned from C and C++ Now here I am dividing it into segments so there is thing called code segment let 's say this is my code let 's say there is a code with the name " harry.c " now this code will be first loaded into my main memory I told you what is the first thing that happens ?then it will come to this line it will come to fun1 () , it will execute fun1 () . fun2 () is calling inside fun1 () now the variables that I had created inside it will be created here let 's say I have created " k " & " l " let me write here : initialize k and l and after that I 'm calling fun2 () so as soon as fun2 () will be called it will say to