



ft_db

What's a Database

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*Summary:
CRUD I forgot!*

Chapter I

Foreword

Data science, as cited from wikipedia:

Data science is a "concept to unify statistics, data analysis and their related methods" in order to "understand and analyze actual phenomena" with data. It employs techniques and theories drawn from many fields within the broad areas of mathematics, statistics, information science, and computer science, in particular from the subdomains of machine learning, classification, cluster analysis, data mining, databases, and visualization.

The term "data science" (originally used interchangeably with "datalogy") has existed for over thirty years and was used initially as a substitute for computer science by Peter Naur in 1960. In 1974, Naur published Concise Survey of Computer Methods, which freely used the term data science in its survey of the contemporary data processing methods that are used in a wide range of applications.

BASE jumping, as cited from wikipedia

BASE jumping, also sometimes written as B.A.S.E. jumping, is parachuting or wing-suit flying from a fixed structure or cliff. "BASE" is an acronym that stands for four categories of fixed objects from which one can jump: building, antenna, span, and Earth (cliff). Due to the lower altitudes of the jumps, BASE jumping is significantly more dangerous than skydiving from a plane. In the U.S., BASE jumping is currently regarded by many as a fringe extreme sport or stunt. In some jurisdictions or locations, BASE jumping is prohibited or illegal; in some places, however, it is permitted, like Perrine Bridge, in Twin Falls, Idaho, USA. BASE jumping became known to the wider public by depictions of BASE jumping in a number of action movies and was featured in the 2014 documentary "Sunshine Superman".

This project is easier if you are an aspiring data scientist with a history in BASE jumping.

Chapter II

Mandatory part

11:42 PM PST Your team's progress will be reviewed!

Using C and the C standard library create a **database**.
You must have a proper **Makefile** and **author** file.
Use your best judgement for the use of 3rd party libraries.
Ask your peers if you think **something might be forbidden**.
Make sure you can **defend** the functions used in your `ft_db`.

What is a database?
Why not just use a piece of paper or the file system?
Is your teams' database similar to an existing database you know of?
If so, or if not, why?

Can your teams' database:

`create data?`
`read data?`
`update data?`
`delete data?`

What type of data?

What can be done to make the database better?



Git... it working then expand upon it.



This subject can change up to an hour before the project is due!



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