

Royal Bihar Coders

Free Bootcamp | Basics of Programming

By Uttam

Pre Autumn Fall
January, 2021



Basics of Programming

Bootcamp | Day 5 | Basics of Data Structure

• 15th January

- 🎤 Why we need Data Structures
- 🎤 Inbuilt data structures vs Manual Data Structures
- 🎤 Linear vs Non Linear DS
- 🎤 List - Python's most famous Inbuilt DS + REAL WORLD examples
- 🎤 Queen King's Puzzle - A DS Approach

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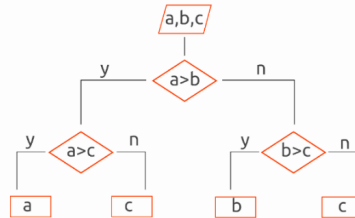
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🎤 Why we need Data Structures

- Lets try finding out "greatest in 2 numbers", "greatest in 3 numbers", "greatest in 4 numbers"



$a > b$



a,b,c,d

"greatest in 200 numbers"

?

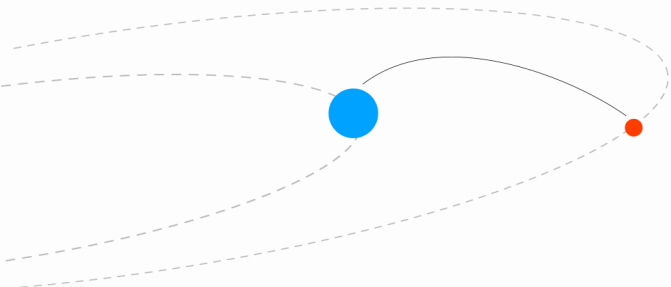
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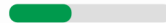
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Why we need Data Structures

- Get nearest restaurants on food apps.
- Get search results based on your previous interest.
- Suggest your friend to your mutual friend on social media.
- Send data back to earth from mars!



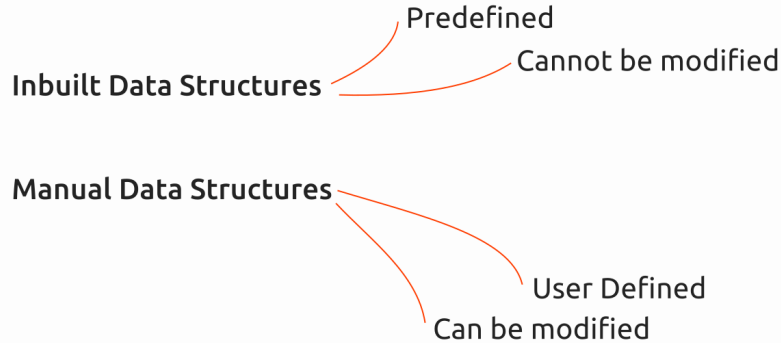
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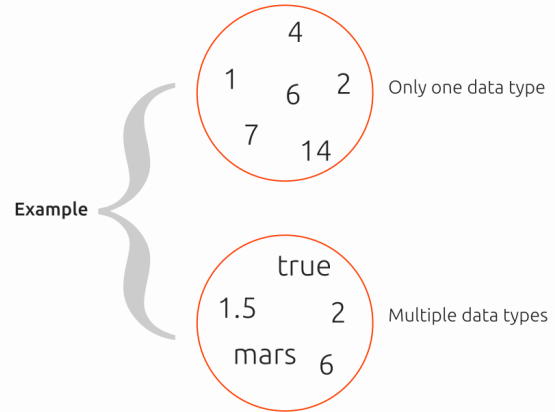
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Inbuilt data structures vs Manual Data Structures



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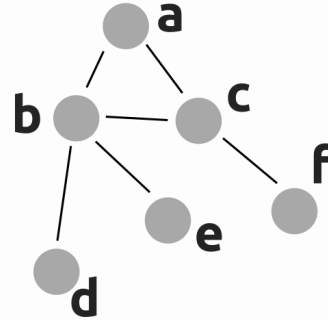
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 Linear vs Non Linear DS

Linear DS




Non Linear DS



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 List - Python's most famous Inbuilt DS + REAL WORLD examples