

# Design and Analysis of Algorithms

Introduction



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Syllabus





Step-by-step procedure to solve a specific problem.



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Problem Statement

Write an algorithm to scan the phone's contact list.

Step-by-step procedure to solve a specific problem.



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Step-by-step procedure to solve a specific problem.



- Unlock your phone.
- 2. Open the Contacts app.
- Start scanning the list.

Step-by-step procedure to solve a specific problem.



- Unlock your phone.
- Open the Contacts app.
- Start scanning the list.
- Compare the contact name with the desired contact name.

Step-by-step procedure to solve a specific problem.



- Unlock your phone.
- Open the Contacts app.
- Start scanning the list.
- Compare the contact name with the desired contact name.
- If the names match, then match is found.

Step-by-step procedure to solve a specific problem.



- Unlock your phone.
- Open the Contacts app.
- Start scanning the list.
- Compare the contact name with the desired contact name.
- If the names match, then match is found.
- If the names do not match, then move to the next contact in the list.
- Repeat until the desired contact is found.

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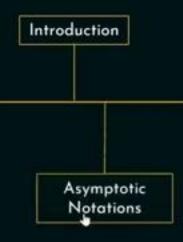
- Unlock your phone.
- Open the Contacts app.
- Start scanning the list.
- Compare the contact name with the desired contact name.
- If the names match, then match is found.
- If the names do not match, then move to the next contact in the list.
- Repeat until the desired contact is found.

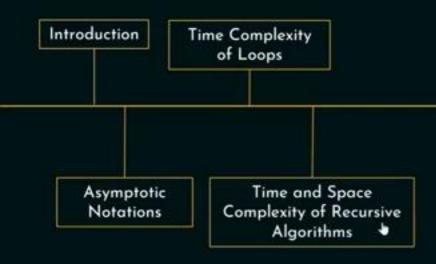
Step-by-step procedure to solve a specific problem.

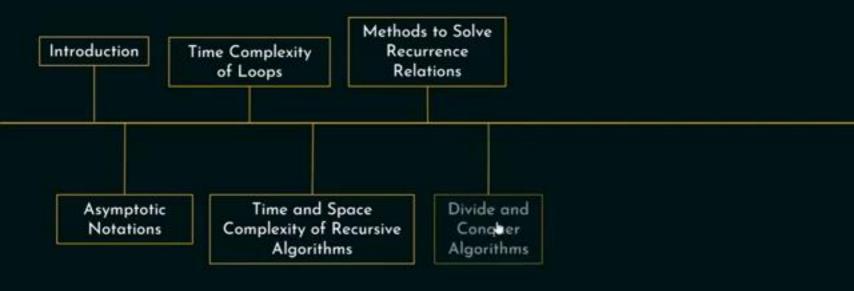


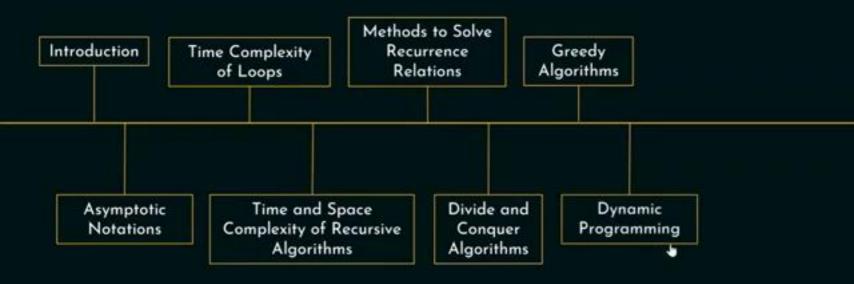
- Unlock your phone.
- Open the Contacts app.
- Start scanning the list.
- Compare the contact name with the desired contact name.
- 5. If the names match, then match is found.
- If the names do not match, then move to the next contact in the list.
- Repeat until the desired contact is found.

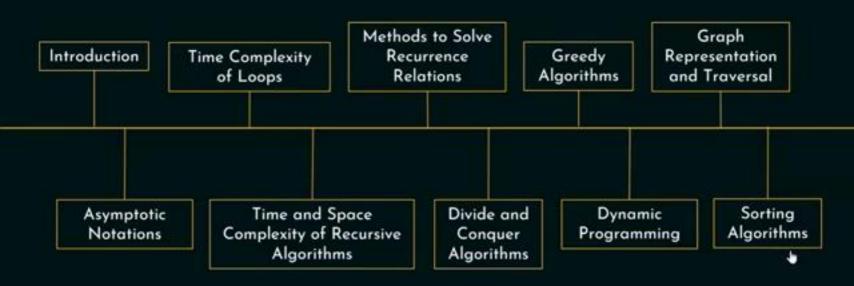


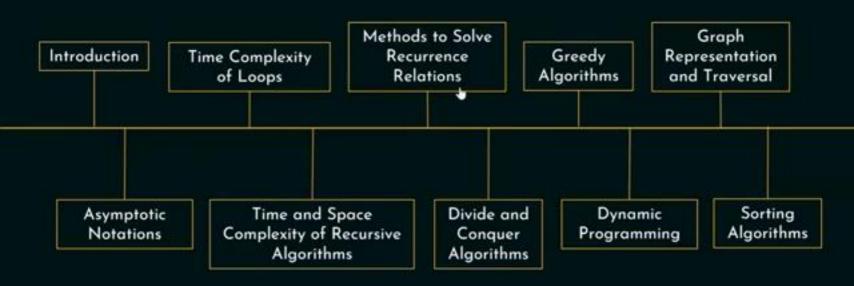


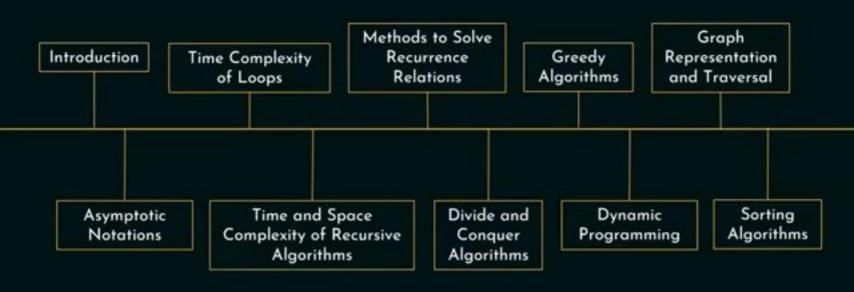












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