

What is Program Analysis?

For an end-goal identify "interesting aspects" of a program's representation.



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For an end-goal identify "interesting aspects" of a program's representation. Checking security Array index range Source, AST, binary, executed instruction 2

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In This Course

- 7. Dynamic Analysis (DYN)
- 6. Shape Analysis (SHA)
- 5. Program Slicing (SLI)
- 4. Parallelization (PAR)
- 3. Security Analysis (SEC)
- 2. Pointer Analysis (PTR)
- 1. Data Flow Analysis (DFA)



Logistics

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- Moodle for submissions, announcements, discussions
 - Your responsibility to subscribe to it.
- Evaluation:
 - assignments (60%)
 - midsem (20%)
 - endsem (20%)
- C slot (Mon 10, Tue 9, Wed 8, Fri 12).
- Room CS 24.



Assignments

- Four programming assignments (60%).
 - 5 + 15 + 15 + 25
- Assignments would be in LLVM.
- You should work individually.
- You have this week to suggest me any date changes for A2, A3, A4.





