





## LO Serum Cache DB

- 4 an of three combonents one upposite much combaters
  - \* 6 same laptops can be covered Puto:

1 LB
3 servers
1 cache
1 DB
Completely deable.

of up we derign the code / software that run of baric computers (machines and gives the capability to do certain actions.

Hry — Set 42 10 90

10 90

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1001.

ķ	S/w in product company:
	-> development -> code
	-> long for -> code reading, understanding minor coding
	-> testing -> code rading, understanding
	-> Pocs -> explorations
	-> emails planning, askimations, product requirement
	-> meetings -> planning, astimations, product requirement
	-> code renew -> code reading, understanding
	-> documentations - code rading, understanding
	-> curch (dimen   tea ( coffee ) best non
	→ fossipping ] best part

# scading code

# conding code

# conding code

# product orprisement gathering

# planning and estimating

# designing

PRD + product requirement duc

> 1001.

Service based. And banks, Old tech	FAMNU, his teen companies	New tech startups
WITCH, Societcheneral, borrolly, MSBC, SB1	FARNU, Adobe, Orcile, Walnow, visa, AflaxHon	feiphant, Suggy, Cred, Scaler, hopele et , Inhit
# theoretical  # questions on syntax,  ceywords  # minimum wally  Questions  # questions on scenarios which can be bound by  ceywords	4 very short problem statement to design 4 all questions and do product requirement gathering 4 design this and to and 4 class diagram 4 schema design 4 pseudo code  (60min)  1  1  1  1  1  1  1  1  1  1  1  1  1	of very detailed problem etalement (PRD)  of detailed problem etalement (PRD)  of detailed build  the project E2E  with all features in  PRD working with  proper tests.  of 120 ming  (machine coding  round)

Un module

LLD-1

- OOP(4 classes)
  - Concurrency & Multithreading
  - Advanced Language concepts
     Java Streams

    - Lamda Functions
    - Collections

LLD-2

Solid design principles(2 classes)

- · Design patterns
  - Creational(2 Classes-5 design patterns)
  - Structural(1 Class- 3 design patterns)
  - Behavioural(1 class- 2 design patterns)

We don't cover all design patterns, but the most important and Frequently asked ones are discussed.

UML diagram(1 class)

- · Interview Prep & Practice
  - o How to approach an LLD problem and Design a Pen
  - Design Tic tac toe & Code Tit tac toe
  - Design Parking lot & Code Parking lot
  - Design BookMyShow & Code BookMyShow
  - Design Splitwise

→ short problem statement

J

→ PRD → derign → Code structure → do the coding

- o E-commerce Websites
  - Deploy
  - API's
  - No SQL DB
  - Security
  - Authentication

-> 4 microservices

- \* a soignents
- \* cive coding sessions => forlow through
- # fundamentals -> US

  OS | CN | DB
  - \* SDEI SDEZ