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— Need Preparation for following things —

Python — ① List, dict, set, Tuple

② Lambda functions

③ Decorator, Generator

④ Map, filter, reduce

⑤ Python memory mgmt

⑥ Python memory leak

⑦ Python Variable scope

⑧ Non local, global
keyword

⑨ Python closures

⑩ Python classes.

⑪ Python instance

variable, static variable

class variable

⑫ Instance method,

class method, static

method

- ⑬ property decorator (@property)
- ⑭ special methods (___init___, __new__)
- ⑮ Inheritance, polymorphism,
Abstraction, encapsulation (oops)
- ⑯ Solid principles.
- ⑰ Singleton class.
- ⑱ multithreading, multiprocessing.
- ⑲ mutable vs immutable objects.
- ⑳ dependency injection python.
- ㉑ Constructor or Initializer.
- ㉒ Call by Value vs Call by
Reference.
- ㉓ Duck typing.



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Django — or — Django Rest framework

- ① Request / Response cycle.
- ② Authentication vs Authorization
- ③ Django ORM
- ④ Django serializers.
- ⑤ function based views vs class based views
- ⑥ DRF viewsets
- ⑦ Routers
- ⑧ Query Params vs path params
- ⑨ Django models hierarchy vs Proxy models
- ⑩ Custom objects.
- ⑪ Many to One, One to One, One to Many relations and queries.
- ⑫ middlewares
- ⑬ multiple db handling migrate vs migrations

- (14) Celery
 - (15) Django channels. (websockets)
 - (16) Cache (redis)
 - (17) pagination
 - (18) throttling
 - (19) Unit testing (~~Assert~~ ^{Assert})
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DevOps:- Docker, Jenkins,
Kubernetes, Git, Kubernetes

Postgres:- Create, insert,
Join, select,
group by, ~~having~~
having ~~clause~~
clause, DB backup,
~~Query~~ sub queries,
stored procedure.



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Tech needs to learn.

① fast API

② React JS

③ AWS cloud.