Week 2 - Open AI Agents SOK Anynchronous python, Async LO Anyne to is a way to write a python wode, it is the light version of multipreading. Multithreading - when no or more process are executed concurrently on multiple threads > Arync 20 was entroduced in python 3.5, is a very lightheight of doing multithreading and doesn't actually involves threads at an operating system level. 21 does nit involves multiproceming, where are python processor plat together and they are ram tracted. ram fogether. when you have multiple medels nitting different api's. of an python, asyncio is implemented by usit Concurrent willing using Engine and Edward. or the core of asyncio, responsible for scheduling and executing corontines and handling I/o corontines of manages the flowy connot blow different corontines. Ca wrontine) used for defining an asynchronous in is execution until an "avairable" object Clive a coroutine or task completes. This yield formal run. Planin a agent, it is to the services.

(2) async det do-nome-proceny return "bone! result = await do some-persuelle. Dong version deision à asynctio.
Orange provides à vignimeight alternative la O Function defines with asyne des are called be paused and resurred. O carling a proutine avesn't execute it improclass - le return a arroraire objects O & arturely run a coroutine joh must await it, which schedules it for execution Whin em event loop For scheduled to execution A piece of wide that's whole stopp hind of a while loop iner trendres and the this corentmes. I It can only excute one cornel coralline get to a point when it stopped Twhile a conduine à waiting (ag; do me event woop can une other others Though there is a break and mon's evering the awart keywords shop the function execution and wants the only and wants the other function execution The gode. In anune block as it is blocking womething - Super simple. a Planin an agent, it is we were securities.

Coding to create of OpenAE Agents SDK > 1 Lightweight and flexible O stry ant of the way copiniated) 3) make common activities cay. 3 opener agines selle terminologies, (P) 2) Landoff represent intractions b/wagins 1 Agents represents ums (3 3 quardrails represents connols > It is used for the winds of checks and control that you put around making. > Un order to actually runan eight, me have thele steps that ican uses (Create an Agint 2) use viantrace () rothe work agent. (3) complimer room (s to run me agin THE THE RELATIONS Vibe coding -5-tops for wating good vibewdings O good vibes - prompt well ask for snort answers and latest APIS for welay's date. (veryly the vise + ask of A' + Squession. (3) Step up the wise ask to break down your steps into independly rescribe steps (9) Vibe me validate - dok on LlM get amother Lim to check (3) Vibe with voulety + ask for 3 question to the serve problem at, - Plenin ar again mimber 6

Weling- To create first agents 1) from agents import agent, rumer, mare // smporter (3) bad-doten (averide= True) Of the make an agent with name, instruction, moders 3 agent = Agent (name="Lokester", insmution="
You are a joke teller" model

You are a joke teller" model (1) # momention within agent is system prompt

(2) A reger.

(3) reger.

(4) Present = Rummer. run (agent, "Tell a joke about
Autonomous Arayuts") 9 print (result) # output corontine objectivition De print (result bireal owners # gives a joke -Q Does it means that Open AI agents SDK always uses OpenAI's models! to No aliquitely, the agents spu can work with many other models (11) # wrapping in bace (the resnut). # abone the 8. (12) with trad ("Telling ajone"): resurt = await Runner . run (sowers line 8) print (result. final-output) you at the in of third carry warped med, it A CHARLES THE STATE OF THE WAY OF THE CHARLES THE - Planna agent, it win take up the genery and

Project 2 3 Building a sales developement rep. De vill build: Three different layers of Agentin whiteethre? O An agent that can use a tool. (3) An agent that can call on other agents Tools V/s Handoffs. sendyrid is used for setting up a company to send emails. Islneyrid news is so send transcrional email from their server. Note of function-tool delibrator converts
and if we then into a function tool. about? that means to convert an agent mi) to have any the jon schema that destribes what that how and do and if we call the bod it's going to call the agent and make the gent make the ball to lims] eyjurence/similaries blu handoff and syeurs as 1) similarities - In both, an Agent am collectivate with another agent. O Dyference > In took contrals punes beach to as and he can calminate the execution as the main agents to the other agents and it will some buck byon

Runs the agent in streaming mode. Instead for waiting for the full AI response at once, it sents pieces of it as they're generaled - Kurner run_streamed async for event in result. sociam-event. (): Days - Multi-model Integration-Objective > D'Models other wan openous genini grog Despond with text but with some desired fields. (3) quardrails - validation Twhile relating arranger in model field if you pan a string that it anumes that you working onends model s guardraits com only be applical either to the openAs model. very signify of the input or the output of the last agent. Project 3- s Day 3 s. Dup reusearch project -> Deep research to one of the clanic uses closes of Agentic Al, the case where you have an agent that is able to To search the internet This is well known since many of the prontier lass offer this agents via their online that tools. - wing Tools, snowetured autputs, worked hard Louis running I Plening agent, it win taking the genery and