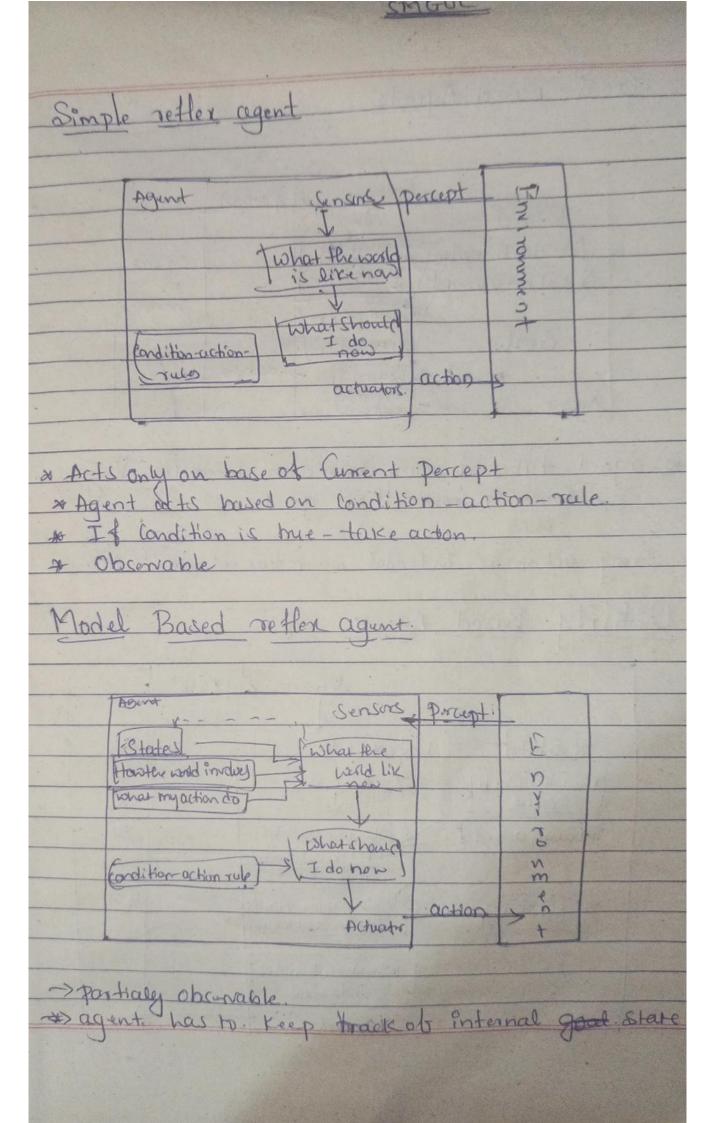
Strong AT bleak AT * AI that acts like human a AI designed for the specific tack and possesses human like Cognitive abilities. or purpose x Aims to Replicate or so find to replicate human level stimulathuman toxelfask intelligence * limited & flexibile for * adapting to different Situation Specific task & focuses on vonous Domains a focuses on specific task Intelligent Agents: An agent is anything that can be viewed as perceiving its environment though sensors and acting upon that environment though actuatous Agent Rationality: It refers to the ability of an agent to make decision and take action that modimine the performance * Performance measure * agents prior knowledge of environment * action that agent can perform to The agent's percept Sequere to date.

Omnicent in An omnicent agent knows the
actual outcome ob the action
annicent agents are impossible in reality
I a a le A I I I avier collect
learning in rational agent doesn't only collect information also it is hould be learnt
as much as povible from what it
Perceieves por ble horr const
faitheres
automomy in It Should learn what it can to
Compensate for Partial or incorrect Prior
knowledge
work autonomasty and learn autonomasty
also take action autonomously
TI ALL Enganness to
The Nature of Environments
Constitue tack Engranments (PEAS)
Specifying task Environments (PEAS)
Performance Environment achiatre densers
measure
Toxis driver so be fast, Road other Storing Carriery
legal, Compertable hattic acceptant sonor
Customers brake, tops
signal odornator
I han lacelonne
· · · · · · · · · · · · · · · · · · ·

Proporties of task Environmen + the Dobsenjable or Fartialy observable - shar some agent directly access the complete Emmonmens 2) Deterministic orstochastic :-Next State is entirely determined by the Episodic or sequential in agent experience is doeded in to episodes and outcome of the each episode is Independent to each other 4) Static or Dynamic in Static environment remains anchanged while the agent is delibrating or selecting action 5) Discrete or Continuousis. Discrete environment has limited number of distinct states and actions, allowing emplice + representation 6] Single agent or Multiagent: Single agent is Fl known or Unknown ? - In known agent have Complete knowledge of emmonments Properties. transition dynamic, and rewide

OKSDDSE ODESDSK

The Shucture of agents
Agent program in Function the mapping from Percept to action
agent = architecture + Program.
Committee of the second of the
Agent = orchitectire + program (Remember for while)
Figure = Orchital tire i program
Agent's Aquatic an Futable on system that
Agent in Agent is an Intity or system that Perceives the Environment through sensors.
parente de chiman estadore
and acto sepon 9 + through effectors to achieve the goal or objetive.
10 achieve the goal or objetive.
Agent function! Mapping on the percept Segure
to notices taken by an agent. It determine
to actions taken by an agent. It determine the Convert percept based on behaviour
il leve antere en appropriate me
and take action in appropriate cog.
Agent program - Agent Program is a Concrete implemen
tation of code that readines agent hunchion:
Specifically runs in Computer hardwore or
coffere then takes input from environment
Cost were then takes input som continued
and actest an action about be took wisely.



G	roal - Based	Agents			
		Cientus	Descond		
]State	Sensors			
	Howard imo	lug fisher the		enviro	
	tohat my action	da torto		mus.	-
	lecal.	luko Idaem		and All	,
	Agent	Shoutaetha - Chand I	ollhion	3	
		crision based	distribution	Albani P	
* Evon		intended to so	distribution	Albani P	
* Evion	d action is	intended to re	distribution	tance from	
* Evon	d action is	intended to re	due des	tance from	
* Evon	1 Oction is 1 lity Based [State]	intended to re Agents Sensor	due dist	ept len	
* Evon	1 action is a lity Based	intended to re Agents Sensor	edule dist	tance from	
* Evon	1 Oction is 1 Lity Based [State] How the world evolus	intended to re Agents Sensor Juhat throw	Describer de la	en vi	

Learning agent Postmore standard . Sensors & porcept Environ mont Performan action s n good