

#### question - OL

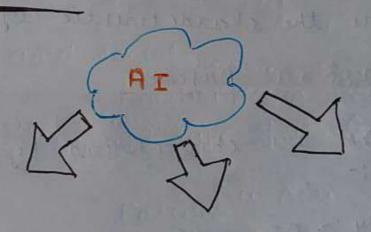
ocquine AI and its Type with real world example?

#### ANEWOR

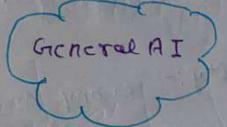
\* AI:

AI can also be defind as the development of competer system that are capable of performing task that require human intelligence, such as decision making, and so on, solving complex problems

\* Types of AI:



NOTUTOW AIS



(Super AE)

(i) Narrow AI:-

can perform only one task, It designed for only specific tasks. Example: Vaice assistants: sin; Alexa etc.

AGI is the stage in the evaluation of AI.

where in machine will passess the ability to think and make decisons just like the man. Example: - AI Robots.

## aii) Super AI:-

when the capability of competens surpressess wheman beings. This is not present in real world.

#### Pustion - 02

What are the characteristic of An AI problem

# AMWER

AI problem are characterized by sevences Features:

- (i) complexity: AI problem often highly complex, requiring the process of large amount of data.
- (ii) Non-linearity:- Many AI problem exhibit non- the linear or clation ships, Means that significant change in the input can lead significant change in output.
- (iii) context-depends: AI problem often requision the ability to understand context and make decision based on the specific setulation on

# environment

- (4) creativity: some AI problem require the ability to under and generate novel Idea and solution.
- (s) Leaving and Adaption: AI problems often require the ability to sun leaven and adapt on time based new data and feed back.
- @ Mulli-desiplicry:experties from multipui field.
- (3) Ethical considerations:- AI prublem raise ethical and social concern realated privi

### question -03

Define different type of AI Agent with example. Arswer to the relation to the relation

LTypes of AI Agent J - bolos planos Simplex Model Croal Vitility Learning
Bosed Base Base

(1) simplex AI Agent: These agents take dission supported the present and ignore the remain der of the percept history.

eigi-) Automatic door

# 3 Model Based:

percepts from present and as well as take a analiz pencepts from pust and make decision also maintain enternal Model.

e.g. > Autometic con

#### 3 Goal - Based! -

A Goal Based Agents

Thuse agent aim to maximize their expected utility by considering the potential consiquences of their action,

e.g. stack AI

Decaring-Based:
These agent improove
their performence by leaving from their
experience, They can adopt Their behaviour
based on feedback & pastoutcome.

chat get, siri, google assistant.

Diffrence ble deterministic & Non-deterministic environment?

#### Answor

In deterministic environment any action has single garanteed effect and no failure and uncertainery, on the other handinnon-denter produce different result on failed completly. C.g. ->

Non duterministic! - Robot on mars Deterministic !- Tic Tac Tac game

# puestion-or

what is turing test?

Answer Answer · Twing Test! A test for intelligence in computer, requiring that a human being should be unable to distingui the machine from onother human by using the reply to question put to both. It originally called 'The imitation game' by

# pustion-oc

crive two real world e.g. of hybrid agent. explain their characterities.

#### FNEED

The regional agent removes some of challen gens you might when you configure on exchange regional environment.

(i) Extern DNS (Neuro - symbolic concept Learner concept Leanner)

(ii) well scarches

withing the method human fresh satisfied

to detail of the political of legan of

primag not total total button of touring to

core in private asset

# characteristics!

A regional AI system of auto noumous intelligent would iddly be adaptive and reflexible to learn new concept, interpre 2 common and acquired knowledge.