



University

Oracle Cloud Infrastructure

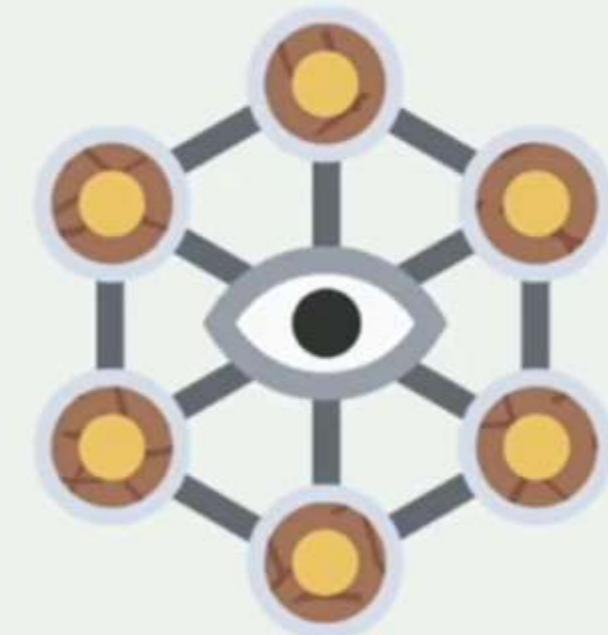
Introduction to AI

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What is Artificial Intelligence?

Ability of machines to mimic the cognitive abilities and problem-solving capabilities of human intelligence



Human Intelligence

Learns new skills through observation

Thinks abstractly and reasons

Communicates using a language and non-verbal cues

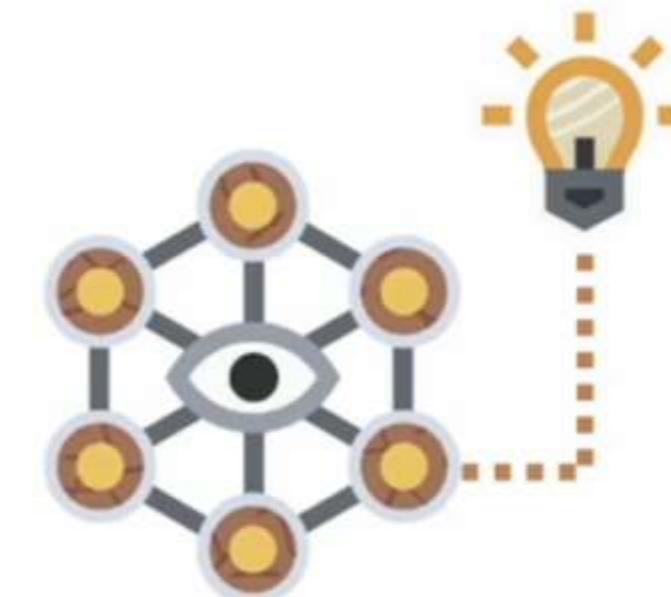
Handles complex situations in real time

Plans short and long term

Creates art, music, and inventions

If we can replicate any of these capabilities in machines, that is

Artificial General Intelligence (AGI).



When we apply AGI to solve problems with specific, narrow objectives, we call it

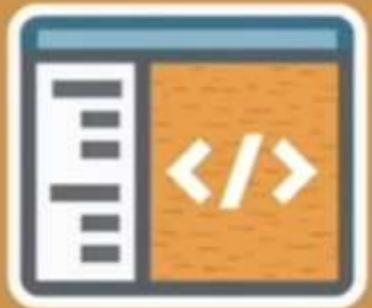
Artificial Intelligence (AI).

AI Examples

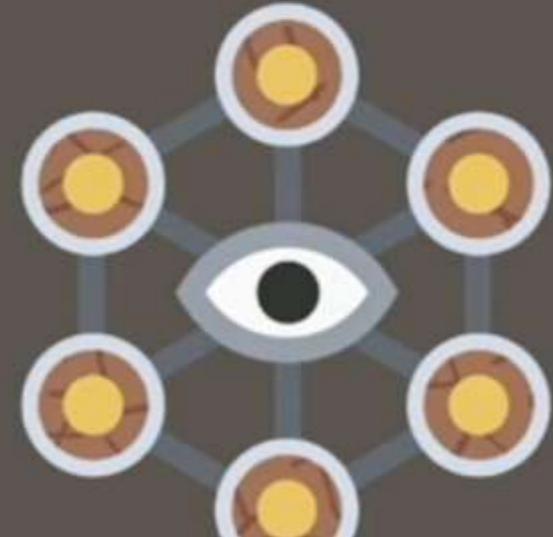
Classifying
images



Writing
computer
language code



AI is all
around us!



Spam mail
classification



Predicting
old car
prices



AI Terminology



**Machine Learning
(ML)**



**Deep Learning
(DL)**

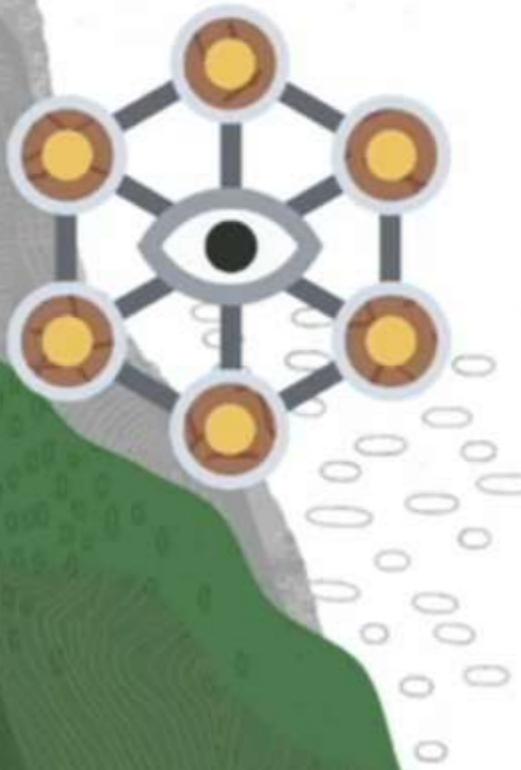


**Data Science
(DS)**

Why do we need AI?

Automation and Decision Making

- Approve a credit card or loan.
- Process insurance claims.
- Recommend products to customers.
- Detect fraudulent transactions.
- Classify documents and images.



Creative Support

- Create content.
- Write stories and poems.
- Provide designs.
- Share code.
- Generate ideas.
- Crack jokes.



AI Domains and Examples

Language

Vision

Speech

Product Recommendations

Anomaly Detection

Learn by Reward

Forecasting

Generate Content

