Assesment

O Defene Artifecial Phtelligence (AD) and provide examples of Pts applications. Artetical intelligence is a branch of computer science that deals with creating Phtelligenes machines that con thenk and work like humans!

-Applications of Al With Examples Healthcare: Articial intelligence is widely used for the field of healthcare and madrine. Social media: social media platform such as facebook instagram, etc uses artificial intelligence to show relevant content to the uger.

Agreculture: AIn agréculture Al has helped farmers identify areas that need Prorgation, fertilization, pesticide treatments or increasing.

Weld ...

@ Differential between supervised and unsupervised learning techniques in ML.

Supervised learning	unsupervised. learning
=> Algorithms are trained	Algorithms are used.
using inheled data.	against data that.
	is not labeled

	Isimpler method!	computationally complex.
	tighty accurate	less accurated to the
	pesired output is	perfred autput es not given.
Juliar is python 9 Discuss its main for advantages. > Python is an interpreted interactive, oriented programming language. - Features: - Casy to calc. - portable. - Advantages. - Reduces maintenance cost. - Avoid the Harm of software Bugs. - Integration with other Languages.		cost software Bugs ragement her Languages.

as a programming language of Al and mig => python is the magor code language for Al and ml. Advantages DA great lebrary ecosystem, Good => Grad visualization options. => community support. > And plat-form independence. 6 Descuss the Emportance of Enclentation en >> The primary purpose of Patindentation in Python code. Python is to define the scope of statements, such as those within loops, conditionals, functions, and classes. Q= 10. if a coi Print (" negative numbery) else print (" zero") els:
print (" positive number").

6) Define a vaniable in python provide examples of valid variable names: => A python variable Ps a reserved memory. location to store values. -Br. a=10 name = "sharvani" A = 21 (1) Explain the difference between a keyword and an identifier in python identifier. keyword Keywords are the reser Identifiers are the user. -ved words with a special defined names of meaning. variables functions, etc. => they are written in => Need not be withen in lowercus. lower case -) contains letters. scontains only letters undersource. and digits. 3 List the bousic data type available in python.

1) Numeric - Integer - float - complex ii) sequence - string - touple - list (ii) mapping - dictorary v) sets. 9) Describe the syntax for an it stakement in Python. (Q=10 => The it statement allows you to execute a book of code it a certain condition is true. 0=10 if a == 10% Print ("a is equal to 10") (10) Explain the purpose of the elif stakement. in python. The elit statement statement allows you to check multiple expressions for true and. execut a block of code as soon as one of the Conditions evaluates to True.

if capage < 18): printe (' Age Ps less than 18') elseit (age == 18): print ('Age is equal to 181) print ('Age is greater than 18') else : of stanting