

Assignment

Q1) Artificial Intelligence is nothing but making the machine think like human.

Applications i) virtual assistant.

ii) Face Recognition

iii) Autonomous Vehicle.

Q2) Identify

i) Supervised learning is nothing but Categorised data.

Eg: i) Classification.

ii) Regression.

ii) Unsupervised learning is nothing but unlabelled data.

Eg: i) Clustering.

Q3) Python is a pure object oriented, high-level and interpreted programming language.

- platform independent.

- open source.

- easy to learn

- dynamic.

- free of cost.

Q4) A user

the data

Machine

- v) more libraries.
- vi) Good visualization.
- vii) Flexibility.
- viii) Readability.
- vii) platform independent.

Q) Indentation will make your code understand and read.

$a = 10$.

If $a < 0$:

 Print ("negative number")

Else If $a == 0$:

 Print ("Zero")

Else

 Print ("positive number")

introduction

Q) A variable is a container which is used to store the data.

$a = 10$.

name = "lakhan"

$x = 22$.

Q1) Q) keywords are the words that have special meaning and purpose and you can't use this keywords in variable and function.

Eg: if, else, for, while.

Q2) Identifiers are names given to variables and function

Eg: tuple=5

-tuple=8.

Q3) i) numeric

-integer

-float

-Complex.

ii) sequence .

-String

-tuple

-List

iii) mapping

-Dictionary.

iv) boolean.

v) sets.

Q9). $a = 10$.
if $a \leq 10$:

Print ("a is equal to 10")

10). If we have multiple conditions to evaluate then we use elif statement for that, for example.

if marks >= 90:

Print ("A grade")

elif marks >= 80 or marks < 90:

Print ("B grade")

elif marks >= 70 or marks < 80:

Print ("B+ grade")

elif marks >= 60 or marks < 70:

Print ("C grade")

elif marks >= 50 or marks < 60:

Print ("D grade")

else:

Print ("FAIL").