Data and Data types

(AIFE: Artificial Intelligence For Engineering)

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Published On: April 2, 2022

FALL SEMESTER, YEAR (IInd, 2nd)
FALL SESSION (2021-22)

PREPARED FOR

Engineering Students

All Engineering College

What is DATA?

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- The information that we collect from the environment around us is called data in its initial form.
- Data can be about any fact like object, name, idea, place, quality etc.
- For example name of persons, salary of person, name of student, name of subjects, marks etc.

<u>What is DATA?</u>

- To get any information, we collect data i.e. data.
- Data is a collection of information, facts and figures which are collected both systematically and unsystematically.
- The necessary information is obtained by processing the data by computer.

<u>What is DATA?</u>

- A haphazard collection of facts and information is called data.
- Data is a fact that does not have any special meaning in itself,
- but has a value, Numbers, Letters, Text, Image, Audio or Video, any of these data can be.

What is DATA TYPES?

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1. **Numeric Data :**

- It is a data made up of numbers from 0 to 9 (total 10).
- Arithmetic functions can be performed on Numeric Data.
- Numeric data is the total number of students in a class or their marks in the examination.

What is DATA TYPES?

2. Alphabetic Data :

- It is the data made up of all the letters of the alphabet.
- For example, the letters of the English alphabet (A, B.......Z) or the letters of the Hindi alphabet (A, B, ...J) etc.
- The names of students in a class are alphabetic data.

What is DATA TYPES?

3. Alphanumeric Data :

- It is data made up of all numbers, all letters and special characters. Arithmetic operations cannot be done in this,
- but they can be compared.
- The address of the students of the class is Alphanumeric Data.

What is DATA TYPES?

4. Sound Data :

- This includes all types of sounds and sounds stored on the computer.

What is DATA TYPES?

5. Graphics Data :

- This includes data stored in the form of images, graphics.

What is DATA TYPES?

6. Video Data :

- In this comes the data made from all types of moving pictures.