

## 7. INTRODUCTION To PYTHON.

I Answer the following questions.

1. Write any three features of the Python language.

The three features of the Python language are.

i) It is an interpreter-based language.

ii) It is case-sensitive language.

iii) It has a simple syntax.

2. What is a variable?

Name storage locations in the computer memory, which are used to store data, are called variables.

3. What are data types? Name the basic data types used in Python.

A data type represents the type of data stored in a variable.

Name of the basic data types are.

i) integer

ii) Float and

iii) String

4. What is the use of input() function?

The input function is used to accept the value for a variable from the user.

## II Competency-based questions.

Krithika's computer teacher has given her an assignment to display the names of fruits

separated with a tab space in Python.  
Which separator should she use with  
the print(.) function?

Krithika should use '\t' separator.



## 8. COMPUTER VISION

I answer the following questions:

1. What is Computer Vision? Write two applications of it.

Computer vision enables a machine to acquire and interpret the visual data and uses it to make some predictions. The two applications are:

- i) self-driving car and
- ii) image identification.

2. Explain the working of Computer Vision.

Computer vision works in three basic steps. They are:

- i) Acquiring the image/video from a camera.
- ii) Processing the image and
- iii) understanding the image.

3. What is the role of AI in computer vision?

AI plays a crucial role in computer vision by enabling computers to "see" and analyse the visual data.

4. How does a self-driving car work?

The cameras in the self-driving cars capture videos from different angles. These videos are fed into computer vision software, which then processes it in real-time to generate the information.

which detects other cars and objects like pedestrians.

5. Write any two applications of Google lens.

The two applications of Google lens are

- i) Translation and
- ii) Smart text selection.

I Competency - based question.

1. Anoma wants to search for a bag that her friend has purchased online. Which feature of the smartphone can she use to find the same product?

Google lens.