

#### **SET 1**

1. Write down the syntax and example in LIST data type for the following (A)insert (B)delete (C) Modify (D) Sort (E)length
2. Write a Breadth first search program for undirected graph.

#### **SET 2**

1. Write down the syntax and example in Sets data type for the following (A)Intersection (B) Union (C) Length (D) Remove
2. Write a program for Depth First search for undirected graph

#### **SET 3**

1. In tuple how do we print the following `x = (1, ("programming","AI"))`
2. Write a program to implement A Star Algorithm.

#### **SET 4**

1. Write a program for Depth First search for directed graph.
2. Write all the different operation followed in Text Processing in Natural Language Toolkit with an example.

#### **SET 5**

1. How to perform Accessing through keys function and through values function in Dictionary.
2. Write a program for Depth First search for directed graph.

#### **SET 6**

1. Write a Prolog syntax for the relationship for Mother, Parent and female.
2. In tuple how do we print the following `x = (1, ("programming","AI"))`.

#### **SET 7**

1. Write a program for Informed Search technique Best first search .
2. Write all the different operation followed in Text Processing in Natural Language Toolkit with an example.

#### **Set 8**

1. Write a python to implement Stack and Queue operation .
2. Write a program for Depth First search for directed graph in python.

#### **Set 9**

1. Write a python to implement Queue operation .
2. Write a program for Depth First search for undirected graph in python.

#### **Set 10**

1. Write a Prolog syntax for the relationship sister 1, sister 2 and parent .
2. Write a Breadth first search program for directed graph in python.

#### **Set 11**

1. Write a Breadth first search program for directed graph.
2. Write a program to implement A Star Algorithm.

#### **Set 12**

1. Write with it syntax and example the parts of speech for  
(a) Stemmer (b) Lemma
2. Write a Python program to implement the Multi-layered Feed forward Network.

#### **Set 13**

1. In tuple how do we print the following `x = (1, ("programming", "AI"))`.
2. Write a python to implement Stack and Queue operation .

#### **Set 14**

**1. Write five operations for the List.**

**(A)Concatenate (B)Insertion (C) Appending (D) Extending (E)Splitting.**

**2. Write a python to implement Stack and Queue operation.**

#### **Set 15**

**1. Write how to access the elements for the following Tuple .**

**x=(1,"AI","Programming")**

**2. Write a program to implement A Star Algorithm.**

#### **Set 16**

**1. Write how to access an element in nested tuples**

**x=(1,("AI","Programming"))**

**2. Write all the different operations followed in Text Processing in Natural Language Toolkit with an example .**

#### **Set 17.**

**1. Write how to perform access with its indexes for 'x1'**

**x1=(1,5,(8.5,9.6),("programming","AI"))**

**2. Write a program for Depth First search for directed graph.**

#### **Set 18.**

**1. Write with an example how to create, add, remove the elements in a set.**

**2. Draw a family tree for the relationship to prove that**

**(i) brother(A,B) (ii) Sister (A,B) (iii) father(A,B)**

#### **Set 19.**

**1. Write down the syntax and example in LIST data type for the following**

**(A)insert (B)delete (C) Modify (D) Sort (E)length**

2. Write a program for Decision tree classifier for Student-Pass-Fail-Data of your own.

**Set 20.**

1. Write down the syntax and example in Sets data type for the following  
(A) Intersection (B) Union (C) Length (D) Remove
2. Write a Python program to implement the Multi-layered Feed forward Network.