

#### Assignment 4

1.) Explain super() in the context of inheritance.

- super is used to refer immediate parent class instance variable. We can use super keyword to access the data member or field of parent class. It is used if parent class and child class have same fields

2.) Describe the file-handling system.

- A file management system is used for file maintenance (or management) operations. It is a type of software that manages data files in a computer system. A file management system has limited capabilities and is designed to manage individual or group files, such as special office documents and records

3.) In Python, explain multiple inheritance.

- A class can be derived from more than one base class in Python, similar to C++. This is called multiple inheritance. In multiple inheritance, the features of all the base classes are inherited into the derived class. The syntax for multiple inheritance is similar to single inheritance.

Write the MySQL query syntax for INSERT, UPDATE, and DROP.

- MySQL server is a open-source relational database management system which is a major support for web based applications. Databases and related tables are the main component of many websites and applications as the data is stored and exchanged over the web. Even all social networking websites mainly Facebook, Twitter, and Google depends on MySQL data which are designed and optimized for such purpose. For all these reasons, MySQL server becomes the default choice for web applications

- INSERT:-

```
INSERT INTO table_name (column1, column2, column3, ...)
VALUES (value1, value2, value3, ...);
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- UPDATE:- UPDATE table\_name SET field1 = new-value1, field2 = new-value2 [WHERE

Clause]

- Drop :- DROP [TEMPORARY] TABLE [IF EXISTS] table\_name [, table\_name] [RESTRICT | CASCADE];

5.) Describe MongoDB's features.

- It contains heterogeneous data. It provides high performance, availability, scalability. It supports Geospatial efficiently. It is a document oriented database and the data is stored in BSON documents. It also supports multiple document ACID transition(string from MongoDB 4.0).