

Student: Elshan Naghizade

Date: 20 June, 2023

### **Advantages of “BLOB”s over Image File Paths:**

- ✓ Directly running queries on images
- ✓ By having the image stored in the database, synchronicity between the image and its related data is ensured. This implies that when a record is deleted, the associated image is also deleted.
- ✓ There is no need to worry about the management of a separate file storage system, and all related data to an entity is kept in one place.
- ✓ Transferring the database between systems or environments is made easier when all data is contained within the database. If images are stored as separate files, both the database and image files would need to be transferred, and consistency of the paths would need to be maintained.

### **Reasons to use PostgreSQL:**

**Advanced Features:** PostgreSQL supports a larger set of features than MySQL, including complex queries, foreign keys, triggers, updatable views, and stored procedures.

**Standards Compliance:** PostgreSQL is highly standards-compliant, adhering closely to the SQL:2016 standard. This could make your queries more portable and less likely to break due to syntax changes if you switch to a different database system.

**Performance:** PostgreSQL tends to have better performance with complex queries and large databases because of its robust query optimizer. It can also handle heavy loads with many concurrent users.