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Note:: Plz watch navinreddy sir youtube video of ====> SpringMongoDB
                                                                 link::
https://www.youtube.com/watch?v=kYiLzIiHVY8
LOB
 a.BLOB(Binary Large Object ===> audio file, video file, image file,pdf and etc)
 b.CLOb(Character Large Object ===> Text file,Rich Text file,CSV file and etc)
To work with LOB's we need to map entity class to DBTable using annotations
      BLOB => Take a byte[] property in Entity class and mark the annotation called
@Lob
    CLOB => Take a char[] property in Entity class and mark the annotation called
@Lob
    The boolean property data(true/false) of Entity class object will be stored in
db table as bit column which holds the
    value 0 or 1,
MarriageSeeker.java
package in.ineuron.bo;
import java.io.Serializable;
import java.time.LocalDateTime;
import javax.persistence.Entity;
import javax.persistence.GeneratedValue;
import javax.persistence.GenerationType;
import javax.persistence.Id;
import javax.persistence.Lob;
import lombok.Data;
import lombok.NoArgsConstructor;
import lombok.NonNull;
import lombok.RequiredArgsConstructor;
@Entity
@Data
@NoArgsConstructor
@RequiredArgsConstructor
public class MarriageSeeker implements Serializable {
      private static final long serialVersionUID = 1L;
      @GeneratedValue(strategy = GenerationType.IDENTITY)
      private Long id;
      @NonNull
      private String name;
      @NonNull
      private String address;
      @Lob
      @NonNull
      private byte[] photo;
```

```
@NonNull
     private LocalDateTime dob;
     @Lob
     @NonNull
     private char[] bioData;
     @NonNull
     private Boolean indian;
}
Code to read the data into byte[] and char[]
_____
InputStream inputStream = new FileInputStream(photoPath);
     byte[] photoData = new byte[inputStream.available()];
     inputStream.read(photoData);
File file = new File(bioData);
     Reader reader = new FileReader(file);
     char[] bioDataContent = new char[(int) file.length()];
     reader.read(bioDataContent);
Code to write the data from byte[] and char[]
_____
OutputStream os = new FileOutputStream("retrieve_image.jpg");
     os.write(seeker.getPhoto());
     os.flush();
Writer writer = new FileWriter("retrive_biodata.txt");
     writer.write(seeker.getBioData());
     writer.flush();
Working with @Query methods
On the top of custom methods declared in our repository interface, we need to add
@Query annotation either having JPQL/HQL/
Native SQL Query.
Methods can have flexible signature and no need of following any naming
conventions.
Syntax
=====
           @Query("HQL/JPQL/nativesglgueries")
           <return_type><method_name><params....)
Note:
SQL> SELECT * FROM CORONA_VACCINE;
HOL> FROM in.ineuron.bo.CoronaVaccine
SQL> UPDATE CORONA_VACCINE SET price = price + ? where company = ?
HQL> UPDATE in.ineuron.bo.CoronaVaccine SET price = price+:add0nPrice WHERE company
=:manufacture
SQL> SELECT REGNO, COMPANY, NAME FROM CORONA_VACCINE WHERE COMPANY IN (?,?)
```

```
HQL> SELECT regNo, company, name FROM in.ineuron.bo.CoronaVaccine WHERE company
IN(:comp1,:comp2)
HQL> SELECT cv.reqNo,cv.company,cv.name FROM in.ineuron.bo.CoronaVaccine as cv
WHERE cv.company IN(:comp1,:comp2)
Note:
  @Query("FROM CoronaVaccine WHERE COMPANY = ?1")
  @Query("From in.ineuron.bo.CoronaVaccine WHERE company=:vendor")
  public List<CoronaVaccine> searchVaccinesByCompany(String vendor);
The method parameter values will be bounded with named param values automatically
if there names are matching, otherwise we need
to use @Param explicitly.
eg::
 @Query("FROM CoronaVaccine WHERE company=:comp")
 public List<CoronaVaccine> searchVaccinesByCompany(@Param("comp")String vendor);
eq::
public interface ICoronaVaccineRepo extends JpaRepository<CoronaVaccine, Long> {
      @Query("FROM CoronaVaccine WHERE company=:comp")
    public List<CoronaVaccine> searchVaccinesByCompany(@Param("comp")String
vendor);
      @Query("FROM CoronaVaccine WHERE company IN(:comp1,:comp2)")
      public List<CoronaVaccine> searchVaccinesByComapnies(String comp1,String
comp2);
      @Query("SELECT name FROM CoronaVaccine WHERE price BETWEEN :min AND :max")
      public List<String> searchVaccinesByPriceRange(double min,double max);
      @Query("SELECT name,company,price from CoronaVaccine WHERE name
IN(:name1,:name2)")
      public List<0bject[]> searchVaccinesByName(String name1,String name2);
}

    service.fetchVaccinesByCompany("bharathbiotech").forEach(System.out::println);

service.fetchVaccinesByCompanies("bharathbiotech",
"serum").forEach(System.out::println);
   System.out.println();
3. List<Object[]> names = service.fetchVaccinesByName("covidshield", "covacin");
      for (Object[] objects : names) {
            for (Object obj : objects) {
                       System.out.print(obj + " ");
            System.out.println();
      System.out.println();
4. List<String> vaccineNames = service.fetchVaccinesByPriceRange(250.0, 750.0);
   System.out.println(vaccineNames);
```

refer:: DAO-SpringDataJPA-@QueryMethods_App