Q1. Using Spring Data JPA for the below products info, build the boot app for implementing the query methods as given below using @Query annotation.

Table Name: Product

Fields:

Id

Stock\_keeping\_unit

Name

Description

Price

Datecreated

Query methods:

1. Query method to find or retrieve a product by name or description: findByNameOrDescription()

2.Query method to find or retrieve a product by name and description: findByNameAndDescription()

3.Query method to find or retrieve products whose price is greater than the given price as a method parameter: findByPriceGreaterThan()

4.Query method to find or retrieve filtered products that match the given text ( contains check): findByNameContaining()

5.Query method to find or retrieve products for a specified pattern in a column ( SQL LIKE condition):findByNameLike()

6.Query method to find or retrieve products based on the price range ( start price and end price): findByPriceBetween()

7.Query method to find or retrieve a product by name: findByName()

8.Query method to find or retrieve a product by id: findById()

Q2.

1. Create model for the below laptop’s information and using the query annotation build the spring boot application for utilizing various query methods of JPA.

Table name: tbl\_laptops

Fields:

Id

Name

Description

Brand

Price

Using @Query annotation ,Query methods expected:

1. FetchlaptopbypriceRange()
2. FetchlaptopbyName()
3. FetchnamebyBrand()
4. Fetchpricebybrand()
5. FetchdescriptionbyPriceandBrand()
6. SearchBrandbyName() using native query method.
7. FetchMaxPrice()
8. FetchMinPrice()
9. FetchAvgPrice()
10. FetchTotalPrice()
11. FetchCount()
12. Apply all above aggregates using FetchAggregateData()