## 06 - Query DSL

In JPQL (Java Persistence Query Language), queries are based on the **entity class** names and their fields, not on database table names or column names.

- JPA provides a powerful query method DSL that defines queries based on method names such as findBy, findAllBy, findByName, findByMarksGreaterThan, etc.
- If more complex queries are needed beyond what is automatically generated by the method names, @Query annotation can be used to define custom JPQL queries.

## **Example:**

StudentRepo.java

```
@Repository
public interface StudentRepo extends JpaRepository<Student, Integer> {

// @Query("select s from Student s where s.name=?1")

// List<Student> findByName(String name);

// List<Student> findByMarks(int marks);

List<Student> findByMarksGreaterThan(int marks);
}
```

## SpringDataJpaExApplication.java

## Code Link:

 $\frac{https://github.com/navinreddy20/spring6-course/tree/c6690e4f2c70d8f530d70623f13d14ff0ffd7e7d/9\%20Spring\%20DataJPA/9.6\%20Query\%20Dsl}{}$ 

