**Spring Data JPA**: Java Persistence API

We can create DAO layer using JPA. It Is a standard from Oracle. Before this Hibernate ORM was used to perform object relational maping and to execute CRUD operations.

EntityManager:

JpaRepository:

* Dependency: Spring-Boot-Starter-Data-JPA
* Add appropriate JDBC driver in pom.xml ex:

<dependency>

<artifactId>h2</artifactId>

* Inside application.properties add following:

Spring.datasource.url

Spring.datasource.username

Spring.datasource.password

STEPS:

1. Add dependencies in pom.xml
2. Create entity
3. Create StudentRepository Interface that extends JpaRepository

Interface StudentRepository extends JPARepository<E,ID>

E: entity classname i.e. Student , ID : @Id field ka data type

**REST**:

* Dependency: Spring-Boot-Starter-Data-Web
* Controller class should be marked with @RestController
* @RequestMapping(value=”/products/” method=RequestMethod.Get): to map controller to its path
* To binds java methods to incoming http URI we use:
  + @GetMapping
  + @PostMapping
  + @PutMapping
  + @PostMApping

