­Today’s Objectives

1. Revise

* Uni directional one-one

Eg – Product Has-A ProductDetails

(Product 1🡪1 ProductDetails)

* Uni directional many-many

Eg – Product HAS-A multiple Brands n vice versa

(Brand \*🡪\* Product)

1. JPA Components (value types) – Embeddables
2. Enter Spring

* What is it ?
* Why ?
* Dependency Injection(D.I) n Inversion Of Control (IoC)
* Spring Core Container n Spring beans
* Different modes of D.I

1. **Display user details + address details (using single query)**

**i/p – user id**

**o/p - user details + address details**

**Hint – join fetch**

1. **Display user details**

**i/p – user id**

**o/p –only user details**

1. **Display complete names of all users from the specified city**

**i/p – city name**

**o/p – ???**

**Hint**

**Jpql=**

1. Add specified restaurant to the specified tag

i/p – tag id , post id

DB – rec should be inserted in join table – with FKs assigned .

1. **Components (value types) – Embeddables | Elements**

User HAS-A Adhar Card : demo of entity n value type (composite)

User HAS-A Language Skills : string (multiple languages)

- collection of basic value type

1. JPA Inheritance

* Single table inheritance strategy