**Spring JPA Data**

Spring JPA data is another spring module which is base upon JPA. Spring JPA data module provide complete abstraction for DAO or ORM layer.

Spring JPA Data is base upon Java 8 features.

From Java 8 onward interface can contains method with body. Those method must be default or static.

interface Bank {

public abstract void withdraw();

public abstract void deposit();

public default void gst() { you can override if don’t like

System.out.println(“default implementation”)

}

public static void loan() { you can’t override

System.out.println(“static implementation”);

}

}

Spring JPA data provided two pre defined interface.

CrudRepository : generic repository

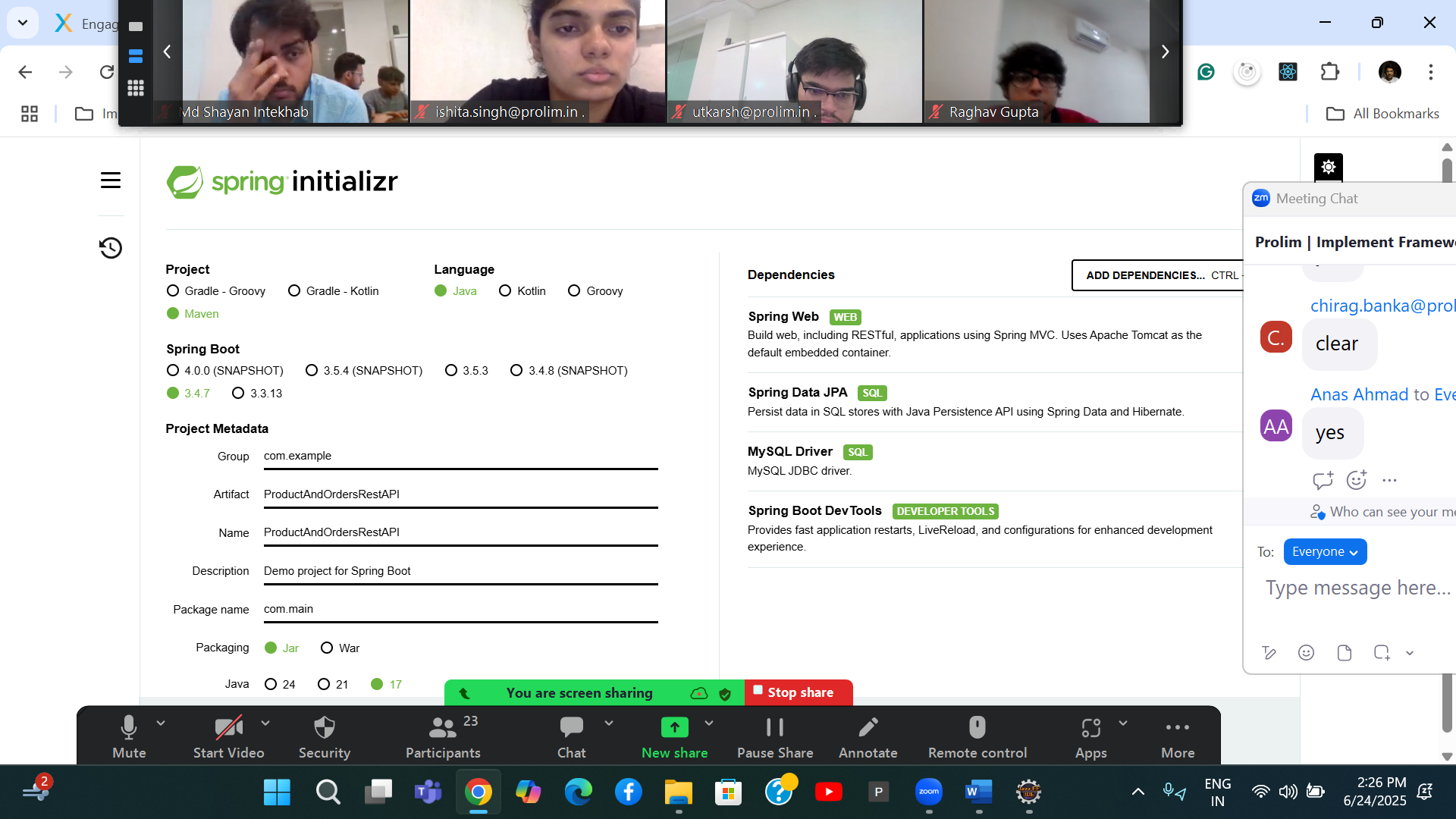
JpaRepository : jpa specific repository

@Repository

public interface ProductRepository extends JpaRepository<EntityClassName,PrirmaryKeyColumnDataType> {

}

**Creating rest api for product and orders entity with spring jpa data**



**Product**

Pid(PK), PName, price, qty etc

100,TV, 45000, 10

Orders

Oid(PK) auto\_increment, pid(FK), orderdataandtime,qty etc

1 , 100, 24-06-2025 with time , 2

2, 100, 24-06-2025 with time, 10

create table product(pid int primary key,pname varchar(30), price float)

create table orders(oid int primary key auto\_increment, pid int, orderdateandtime datetime, **foreign key(pid) references product(pid));**

@RequestMapping annotation we can use on class level as well as method level

On class level to map root or base path.

Spring micro service