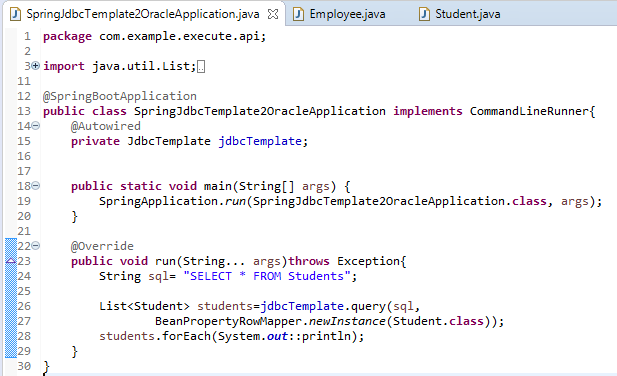
**Oracle Database and Sprint Boot**

For oracle connection

Username:system

Password:root123!

**https://www.youtube.com/watch?v=CCqVKz6RRLs**

1. Connect to Oracle Database Server:

🡪Spring Boot with JdbcTemplate(connect locally)

🡪Spring Boot with Spring Data JPA(Connect remotely)

1. Software Programs

🡪Java Development Kit(JDK)

🡪Spring Tool Suite IDE(STS)

🡪Oracle Express & SQL Developer tool

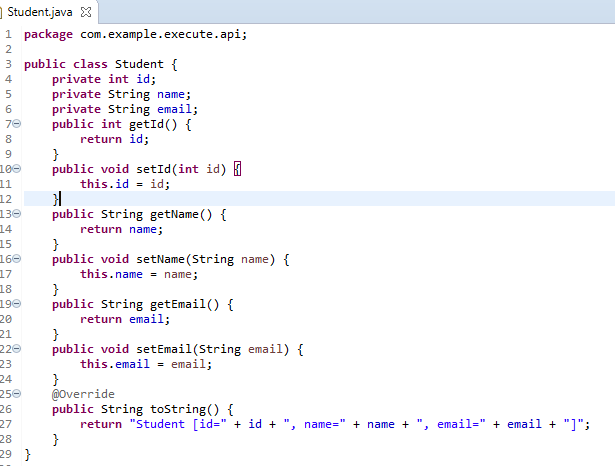
1. Configuration Steps

🡪Declare dependencies:

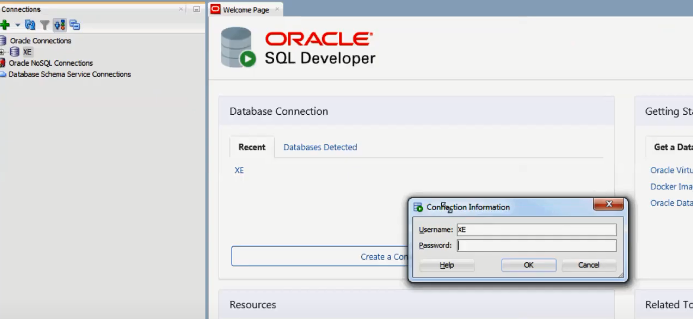
🡪Spring Boot JDBC/ Spring Data JPA

🡪Oracle JDBC Driver

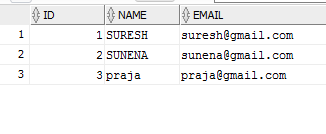
🡪Specify data source properties



1. **Connect to a local instance of Oracle database**

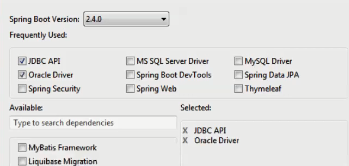
First Connect Oracle database, right click on XE and click Connect

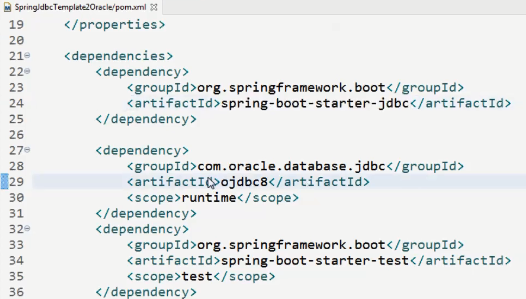
Click on table and open student table



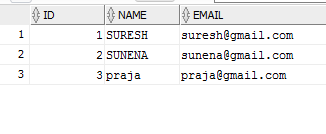
Now goto Spring Suite create a new Spring Starter project

Add Dependencies JDBC API and Oracle Driver





Student table in Oracle

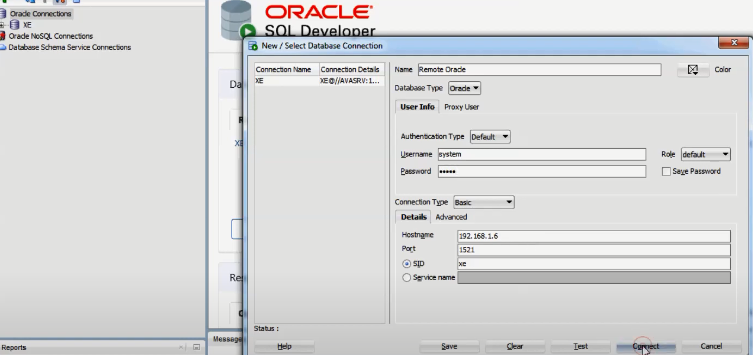


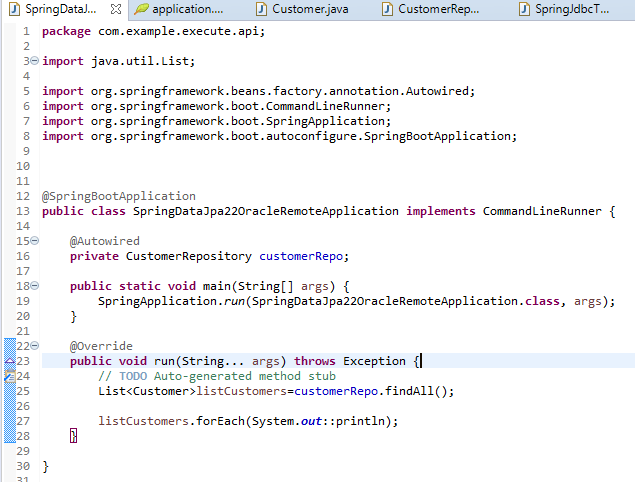
Output



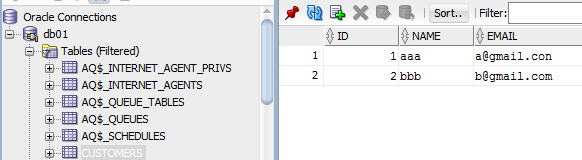
1. **Connect to a remote instance of Oracle database**

Right click on Database, click on new Connection give the IP address of remote computer



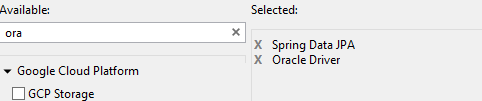


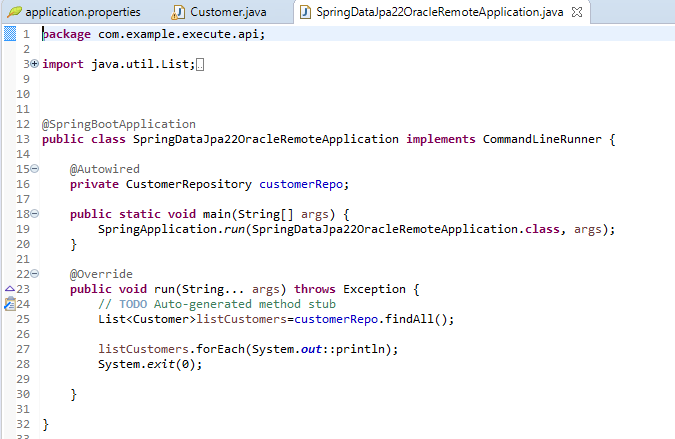
**Now we can see the database of remote computer, see the customers table**

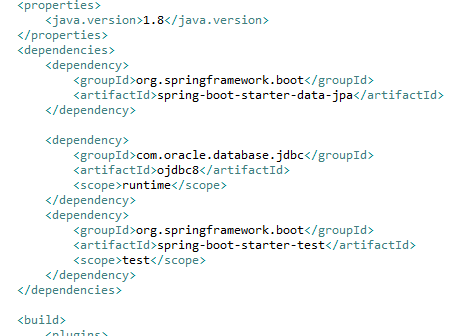


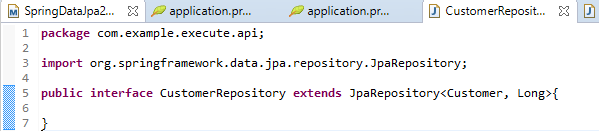
**Now Using Spring boot with Spring Data JPA**

**Create a new spring starter project and choose dependencies**

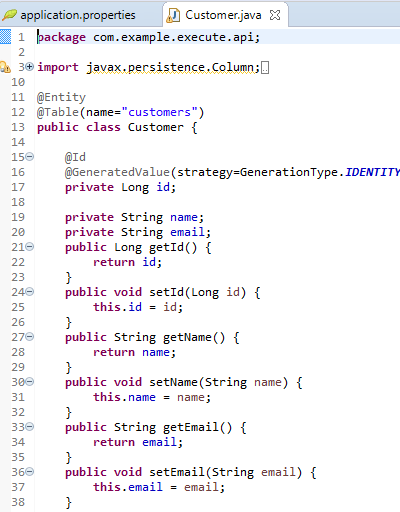






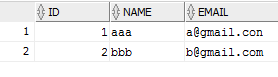


**By Default Spring Data JPA use Hibernate framework, so we have to create a new entity class**

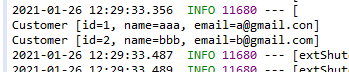


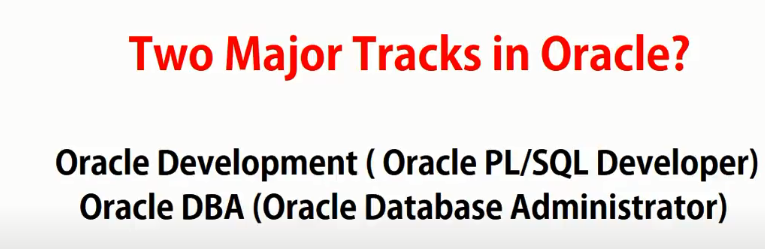
**Output**

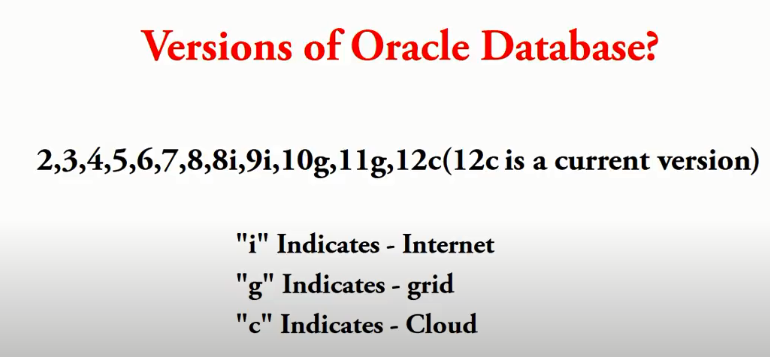
My Customer table in Oracle

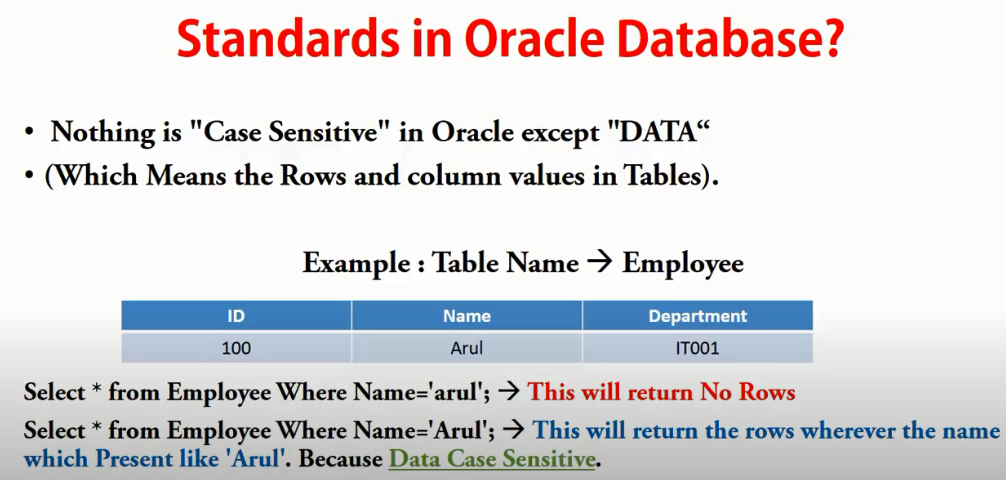
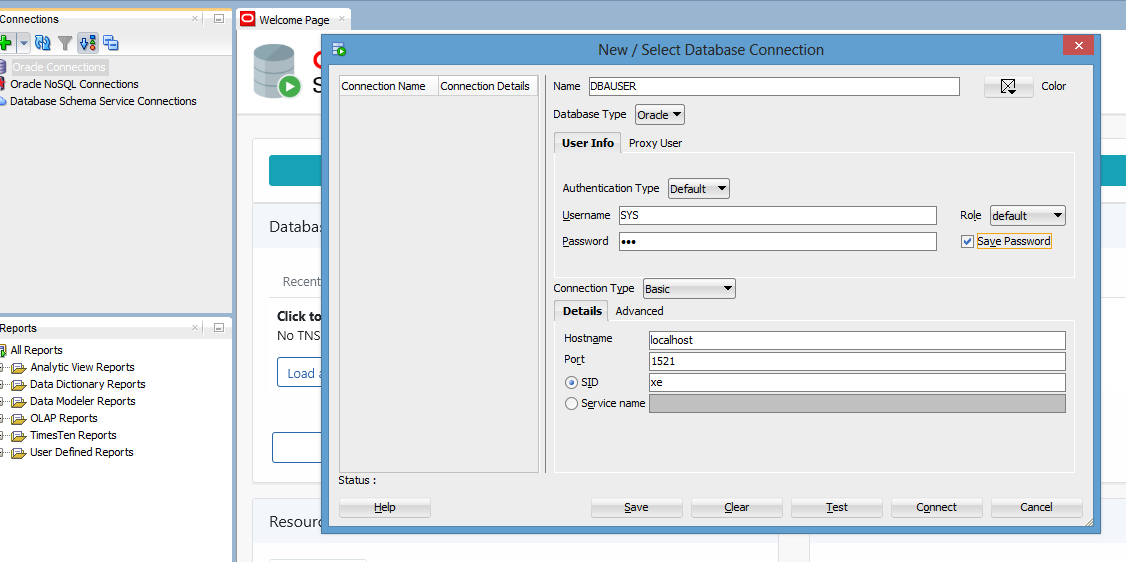


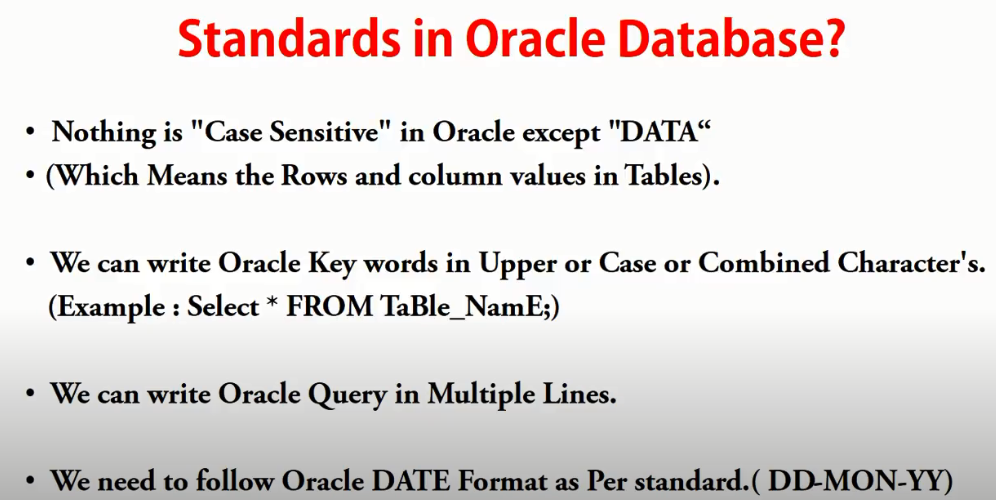
Output











**How to Install Oracle 11g Express Edition on Windows**

Oracle login :sunenagwachha@gmail.com

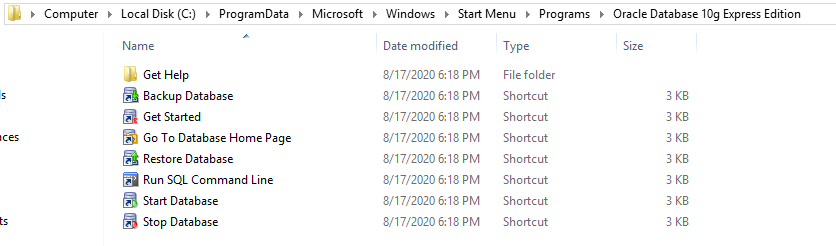
Password:Su..123

https://www.youtube.com/watch?v=8Be0jPgPtpA

Download Oracle from here

#### Oracle Database Express Edition (XE) Release 11.2.0.2.0 (11gR2)

https://www.oracle.com/database/technologies/xe-prior-releases.html



Open Run SQL Command Line, type conn SYS/sys@xe as sysdba

After some time it will show connected

Then type this

SQL🡪 SELECT \* FROM DBA\_USERS

We can see data

Location in my computer

C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Oracle Database 10g Express Edition

# How to Install SQL Developer on Windows

<https://www.youtube.com/watch?v=w0Em8b3fA5c>

Download from here

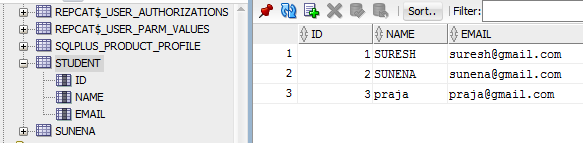
<https://www.oracle.com/tools/downloads/sqldev-v192-downloads.html>

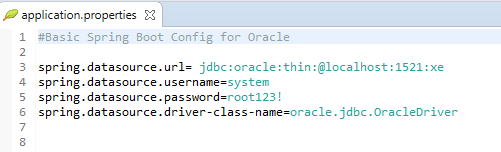
Install the.exe file and

Create a new connection.

Username:system

Password:root123!



Main imp