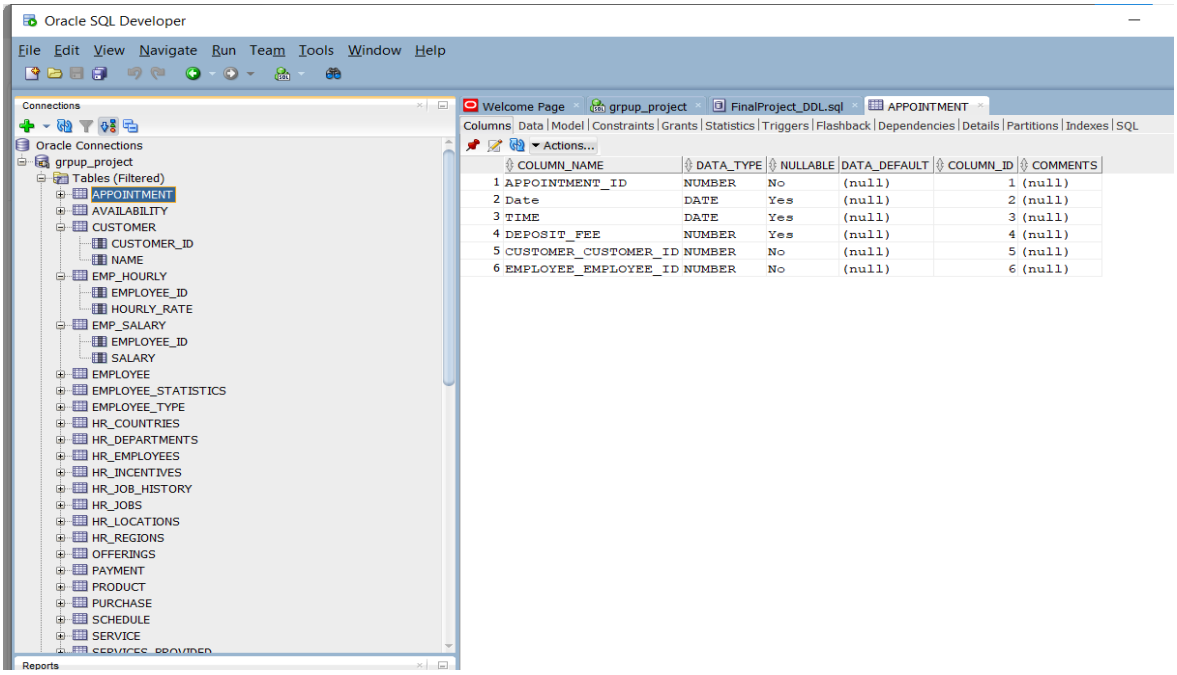
Implementation

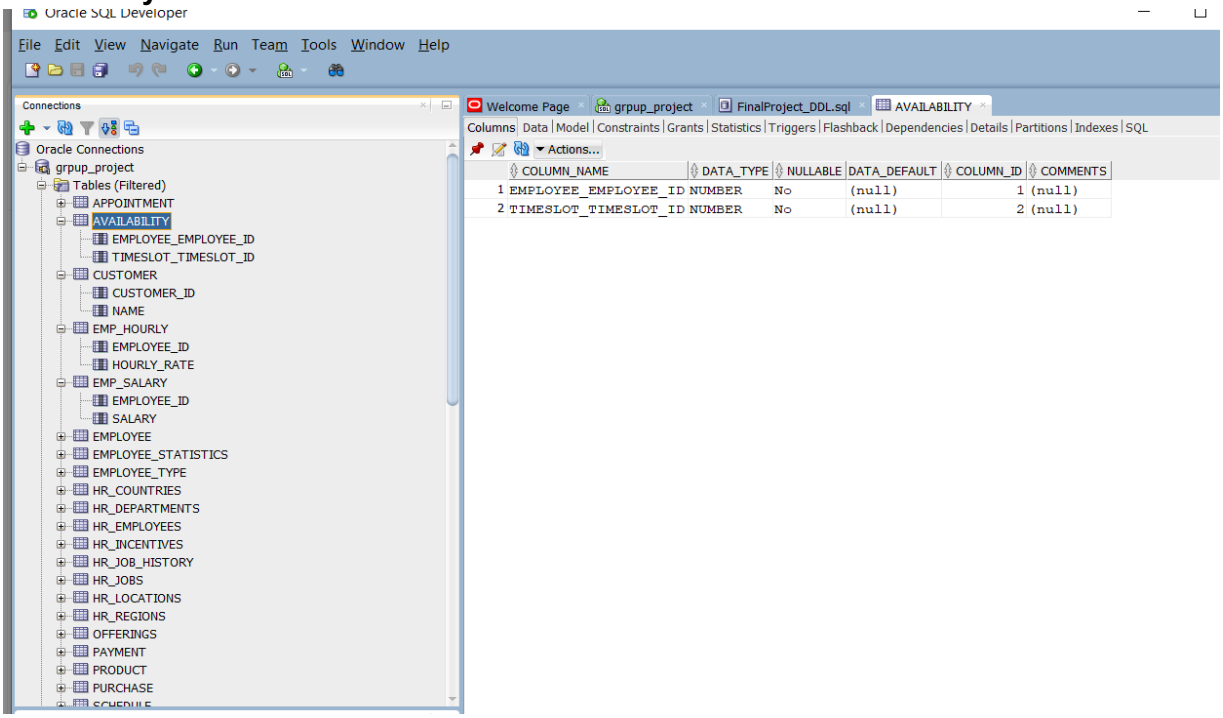
Group 1: Beauty Salon | Laura McDonnell

I. Creating each table (SQL script included in submission)

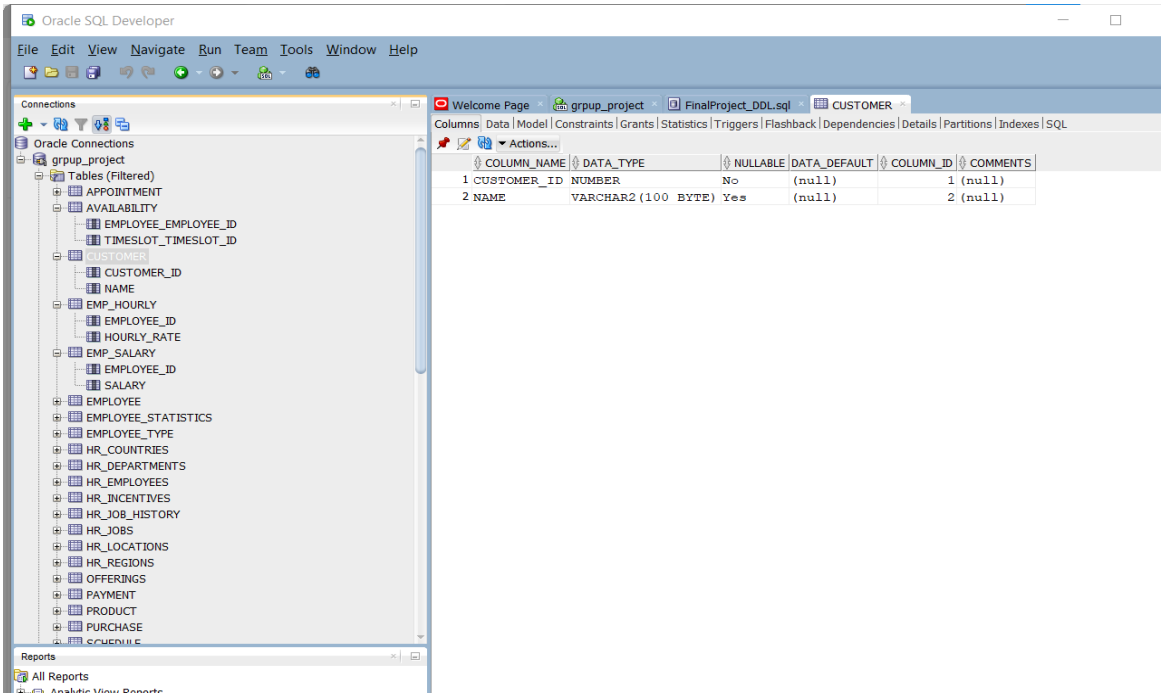
Appointment



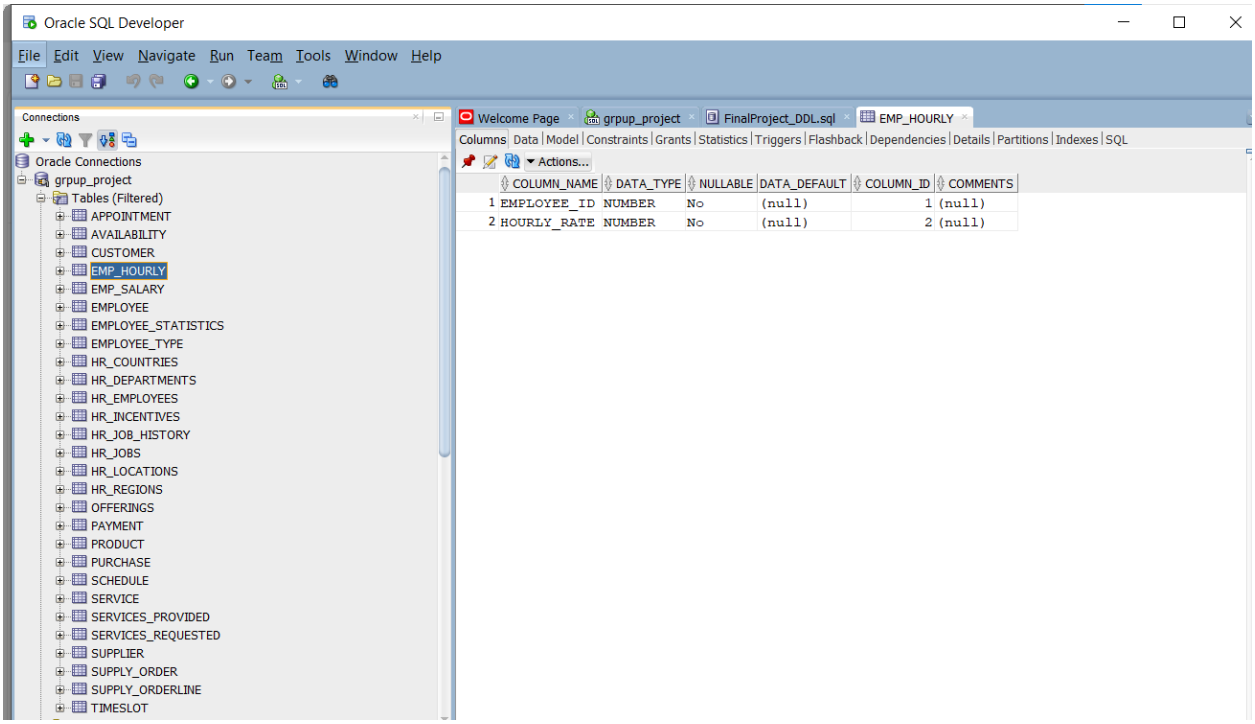
Availability



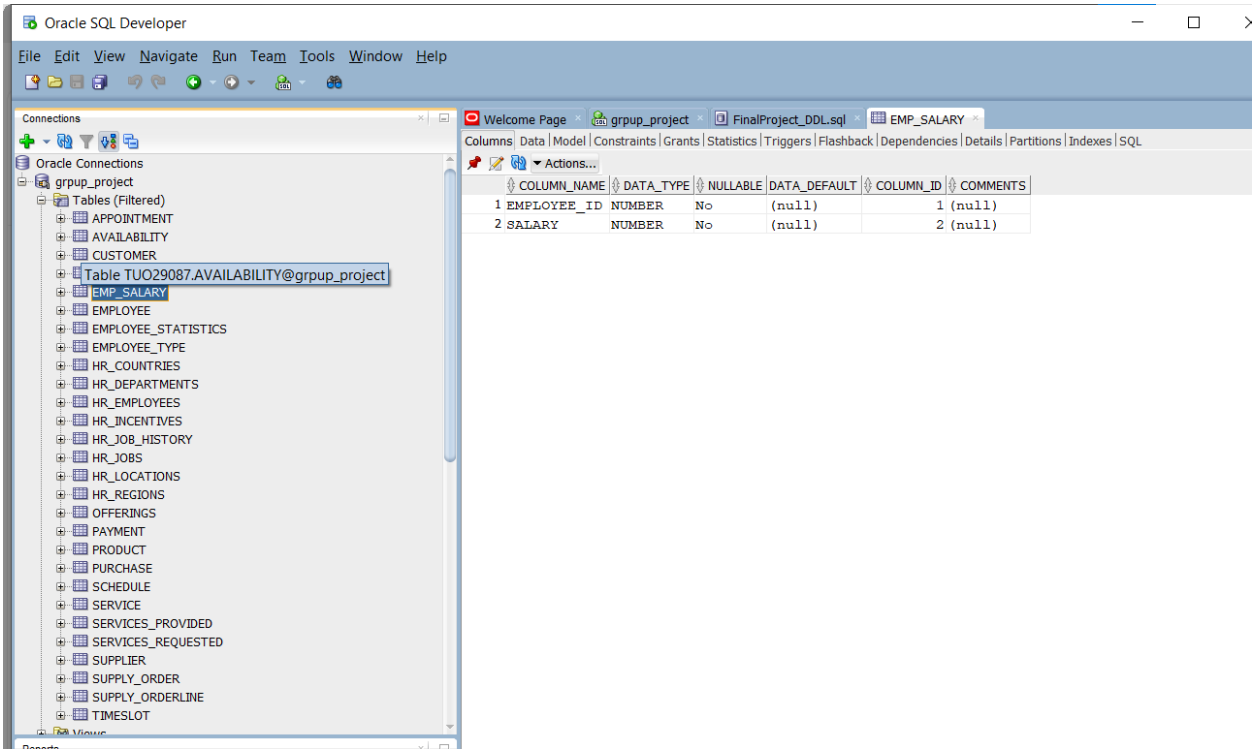
Customer



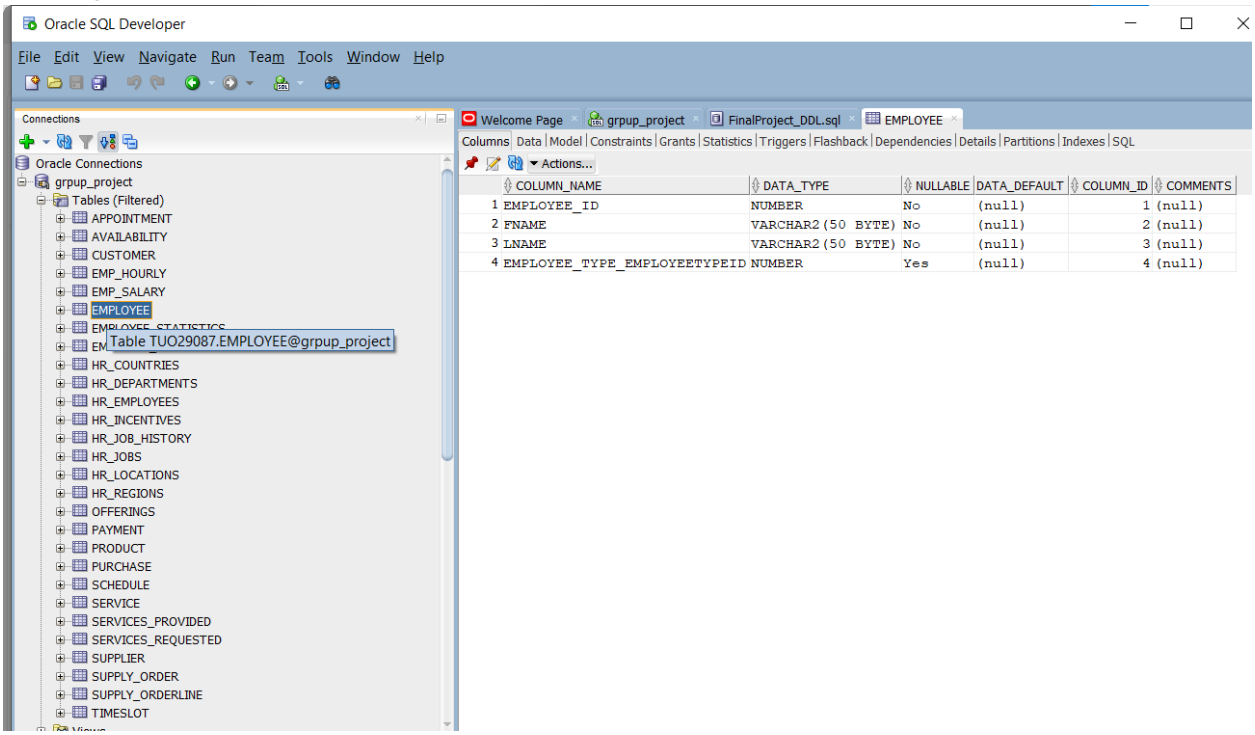
Emp_Hourly



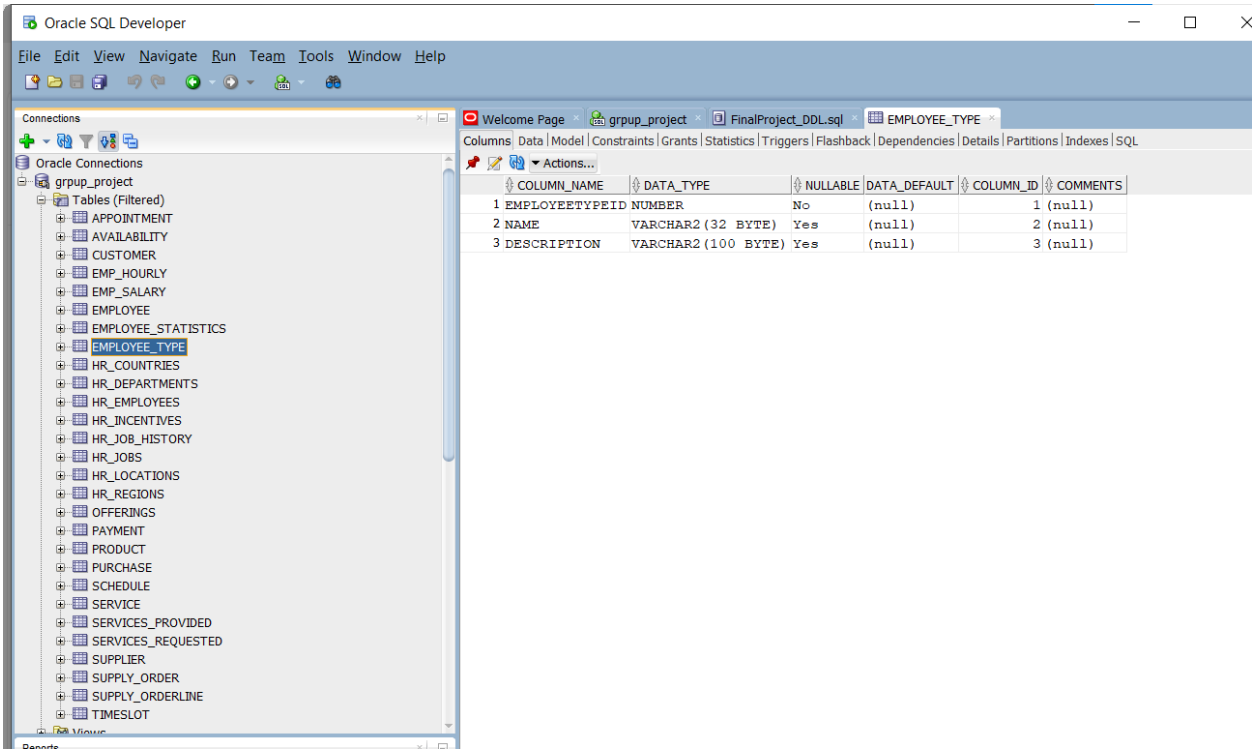
Emp_Salary



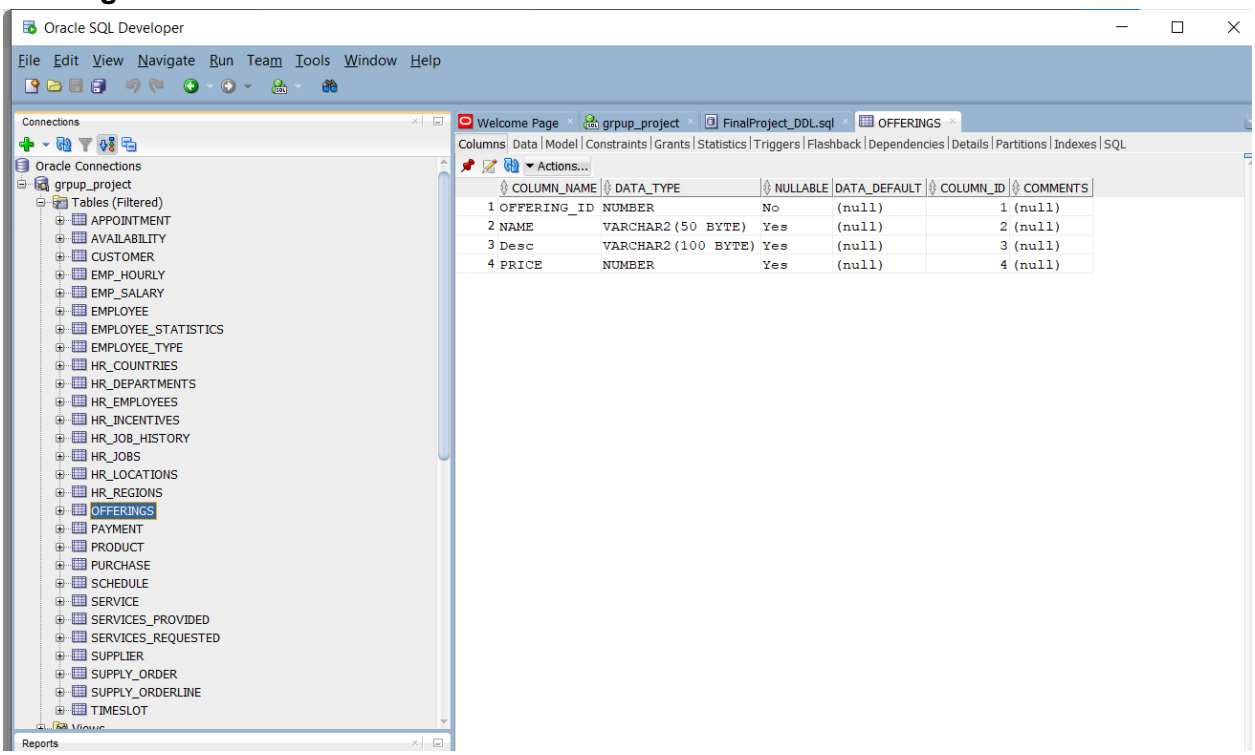
Employee



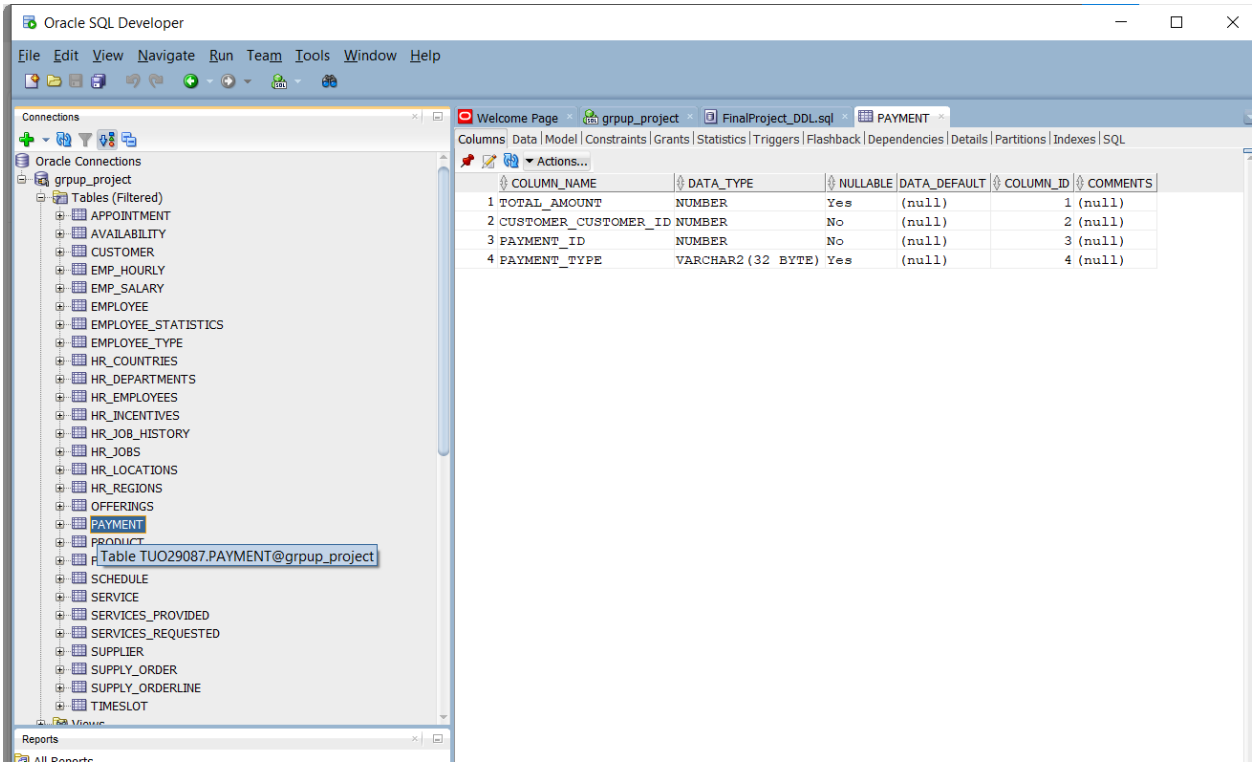
Employee_Type



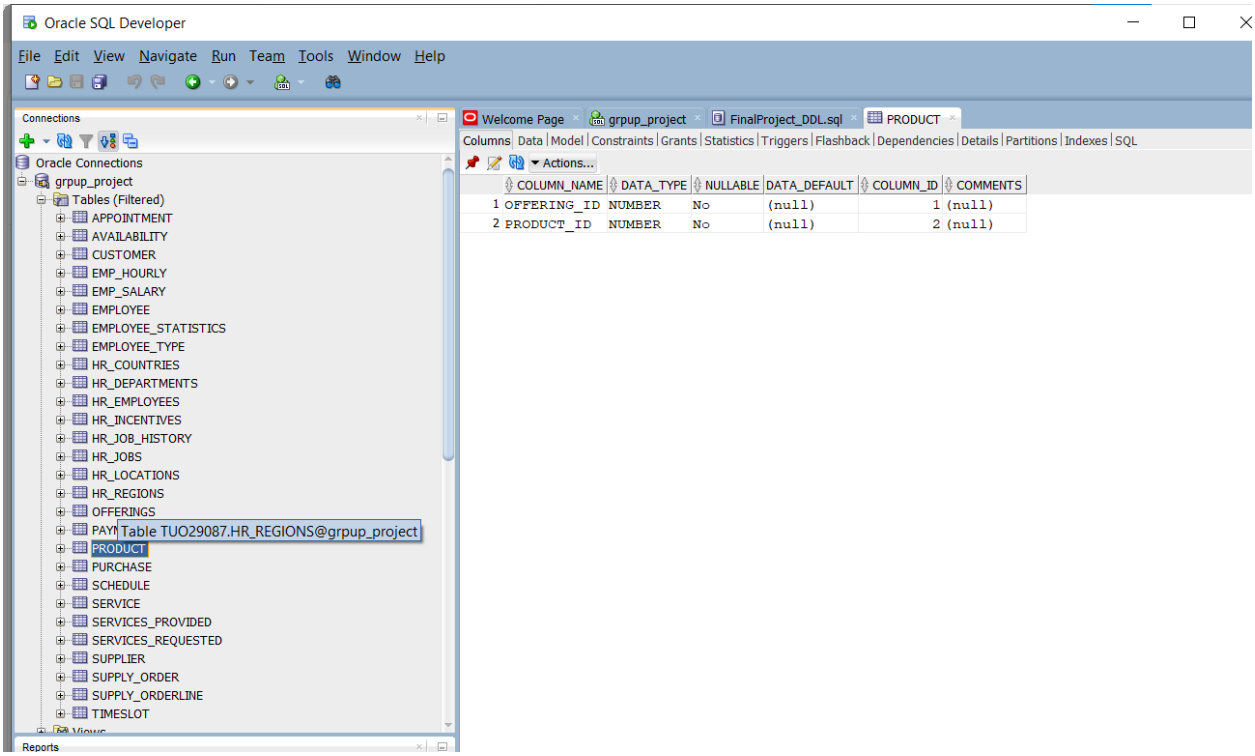
Offerings



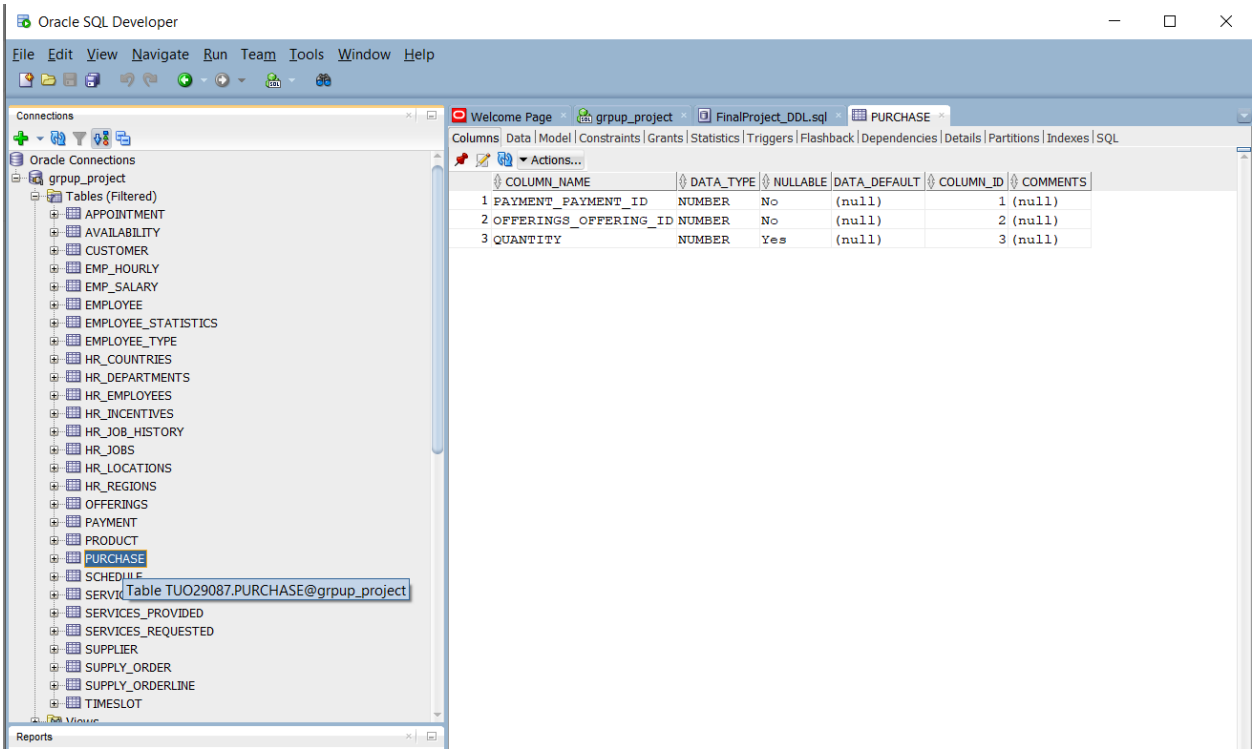
Payment



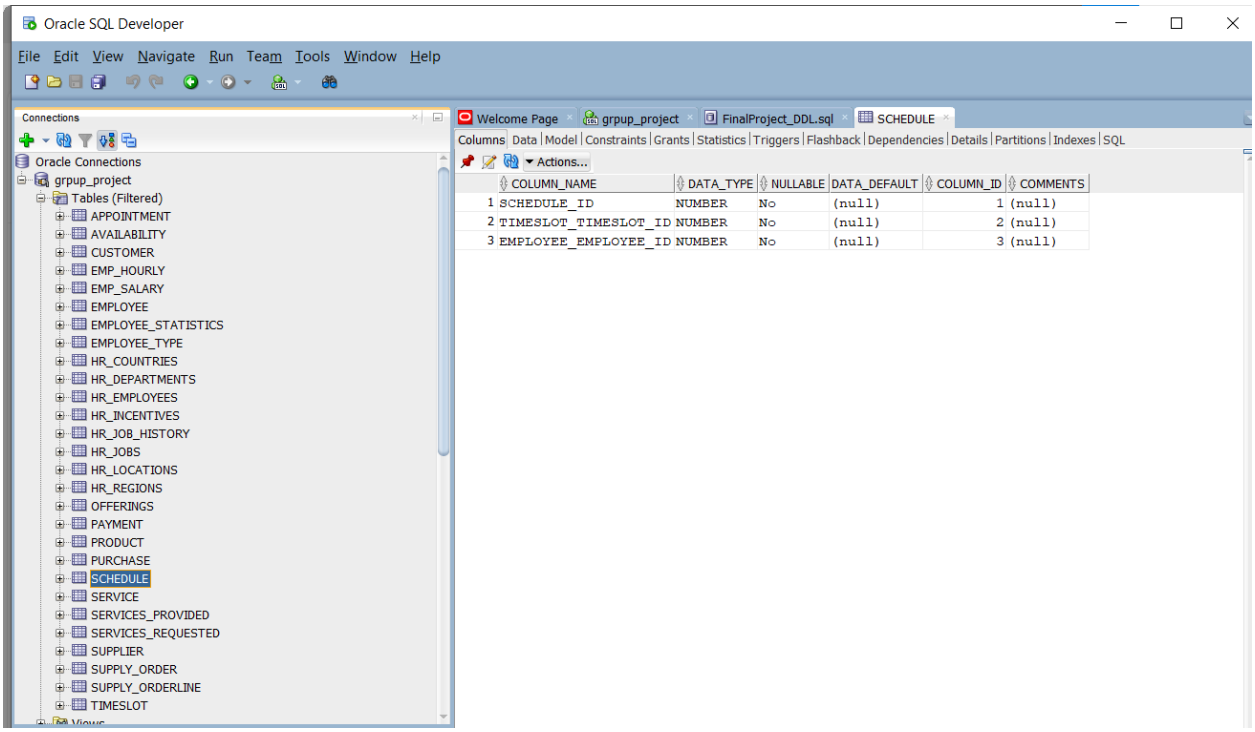
Product



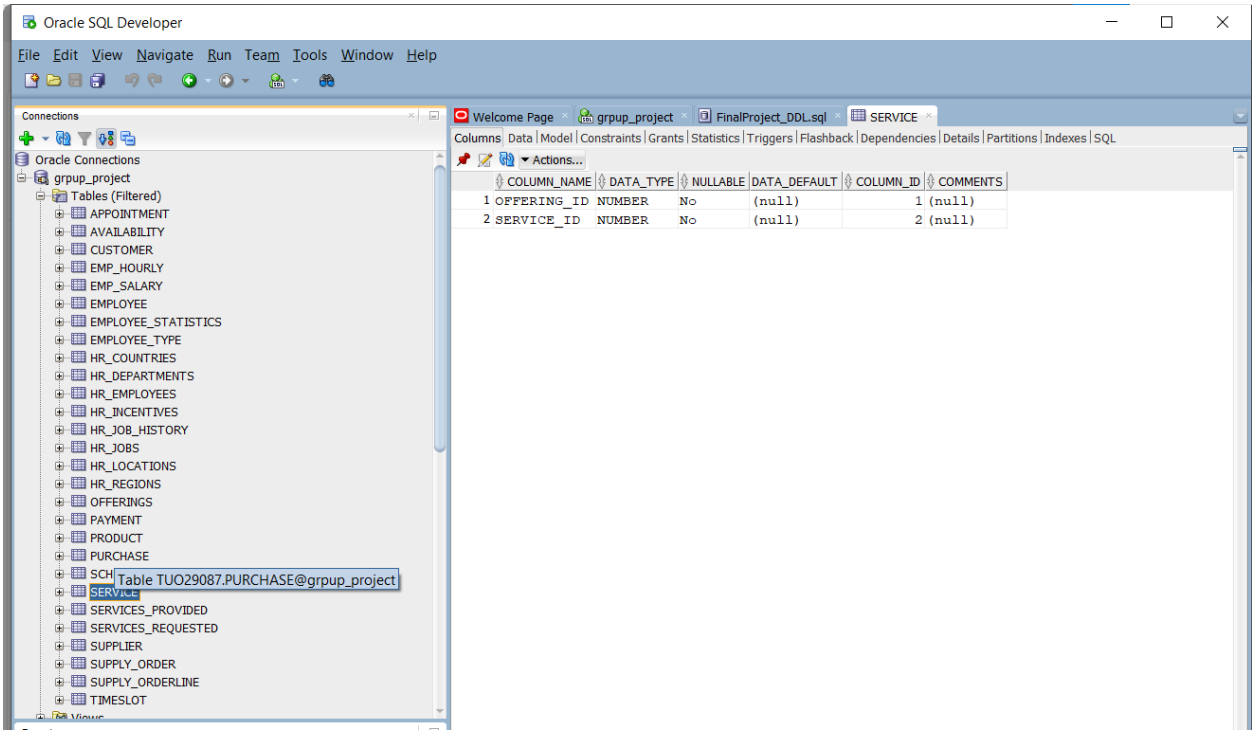
Purchase



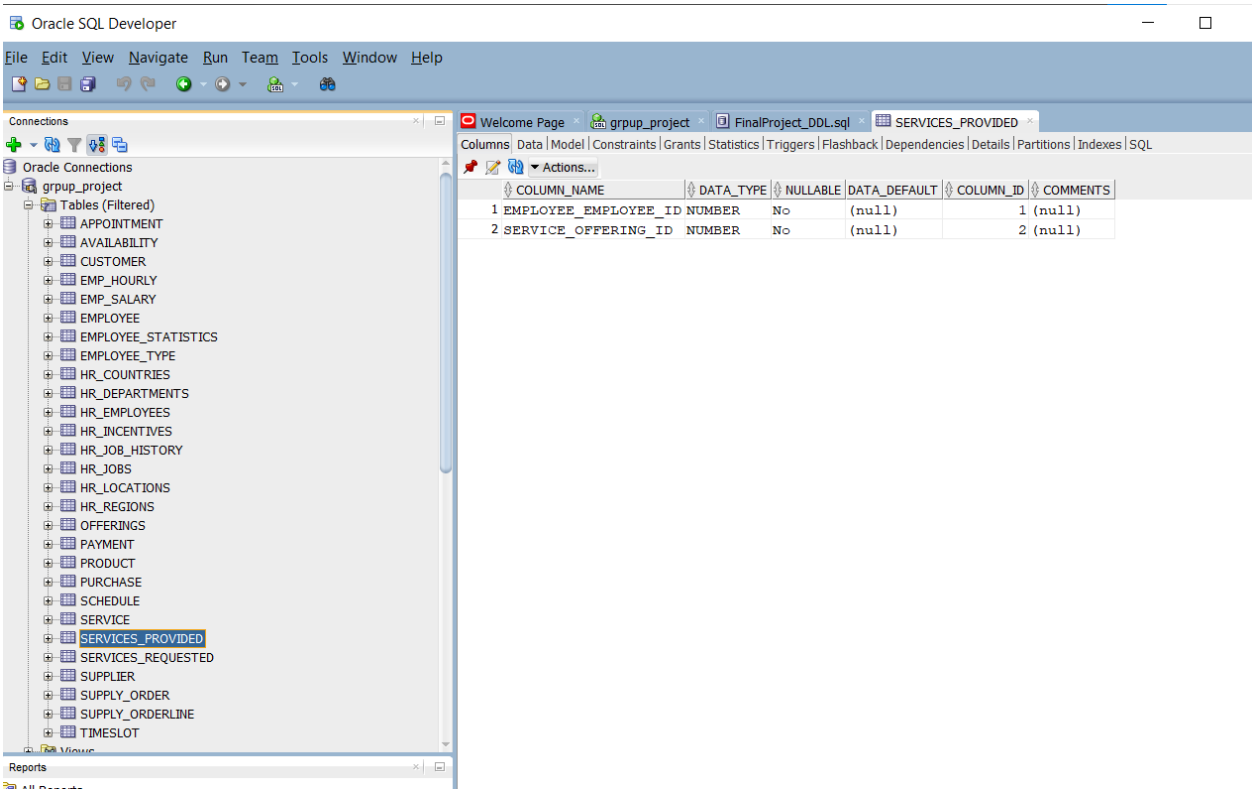
Schedule



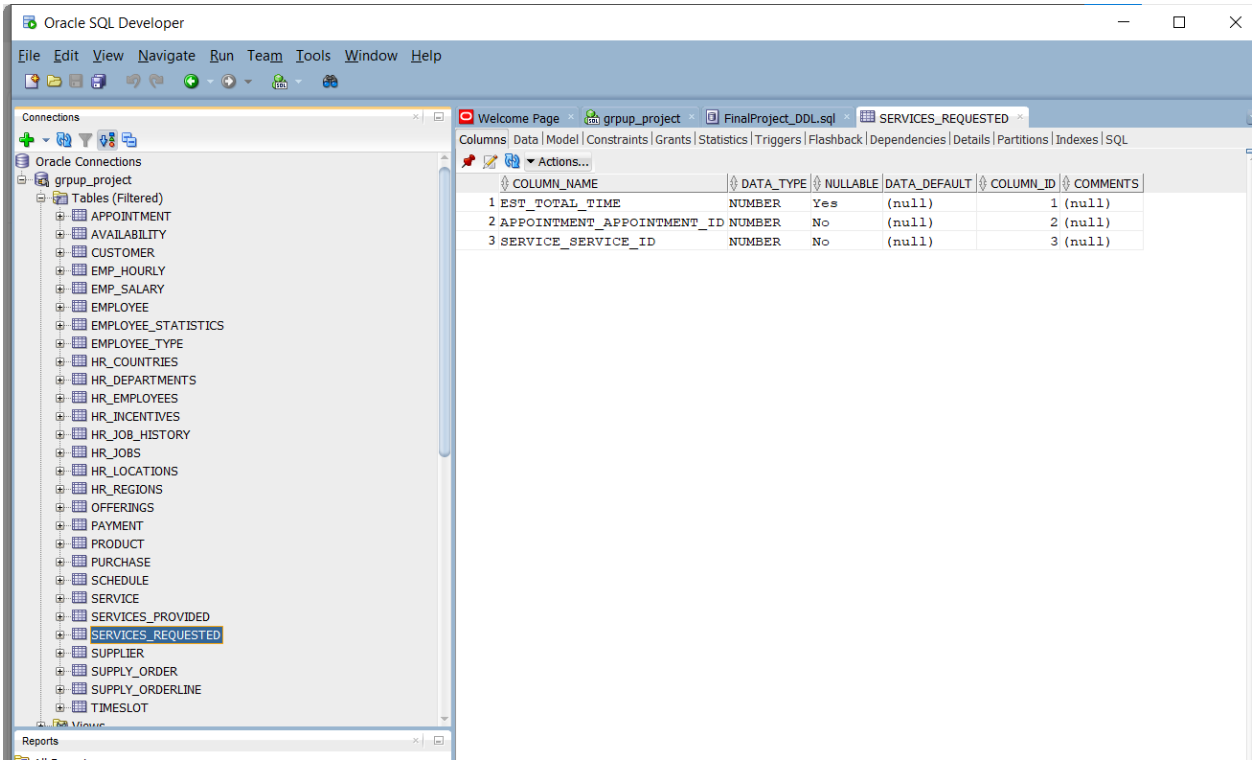
Service



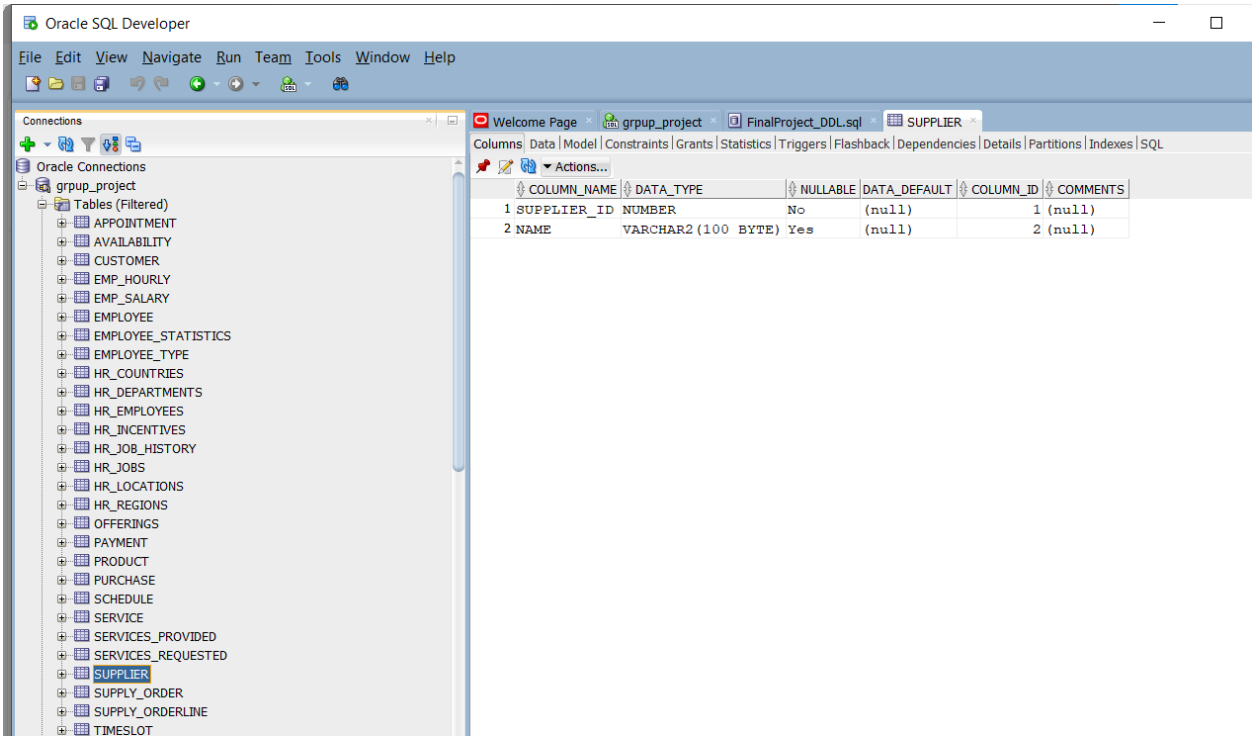
Services_Provided



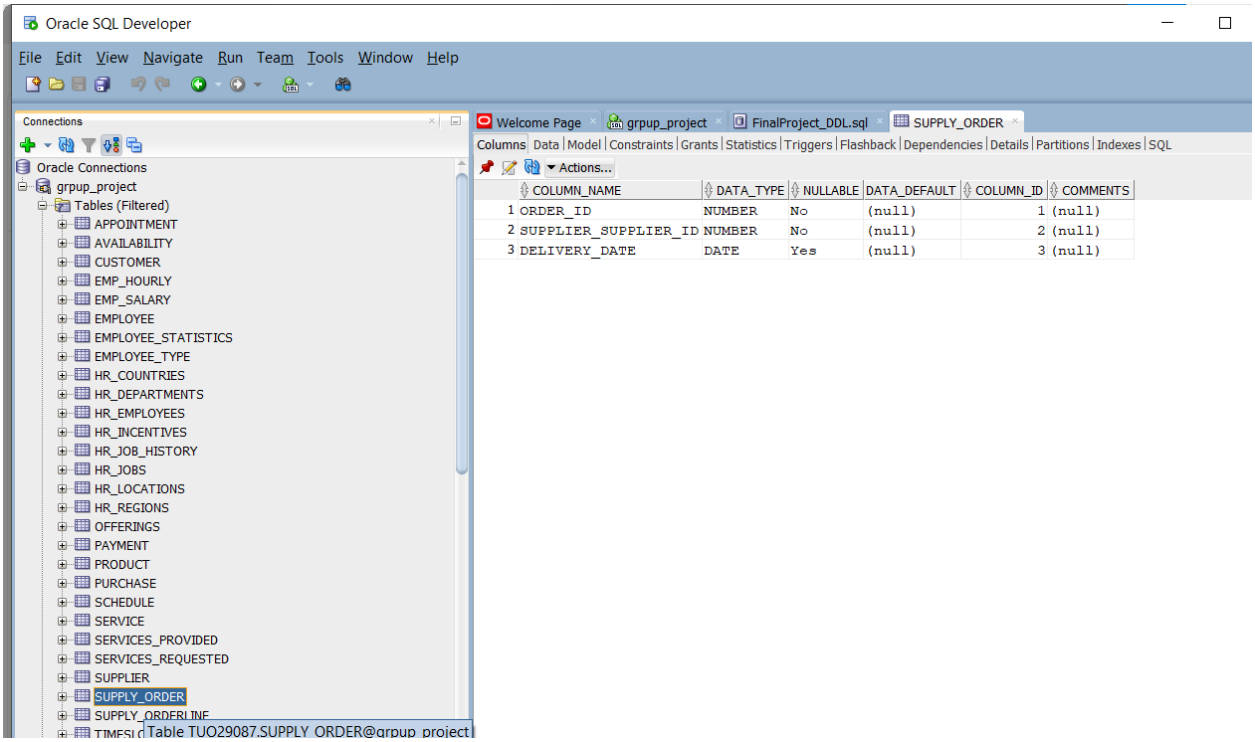
Services_Provided



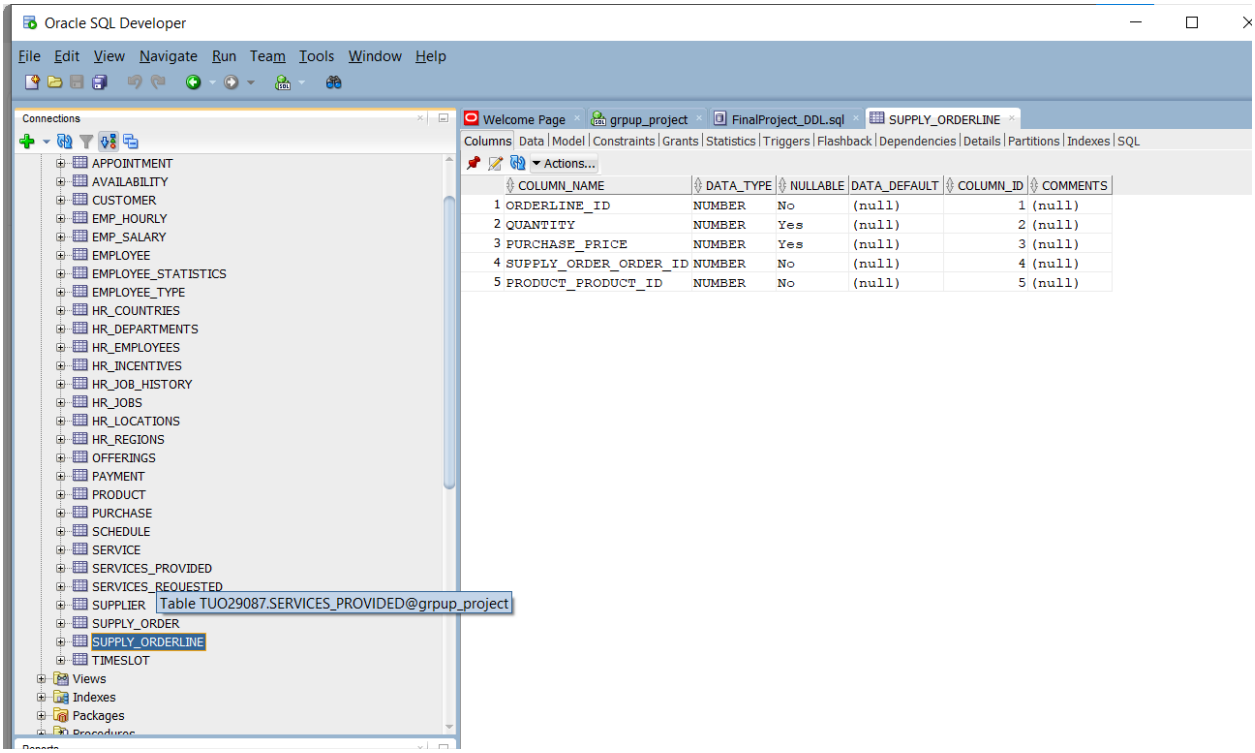
Supplier



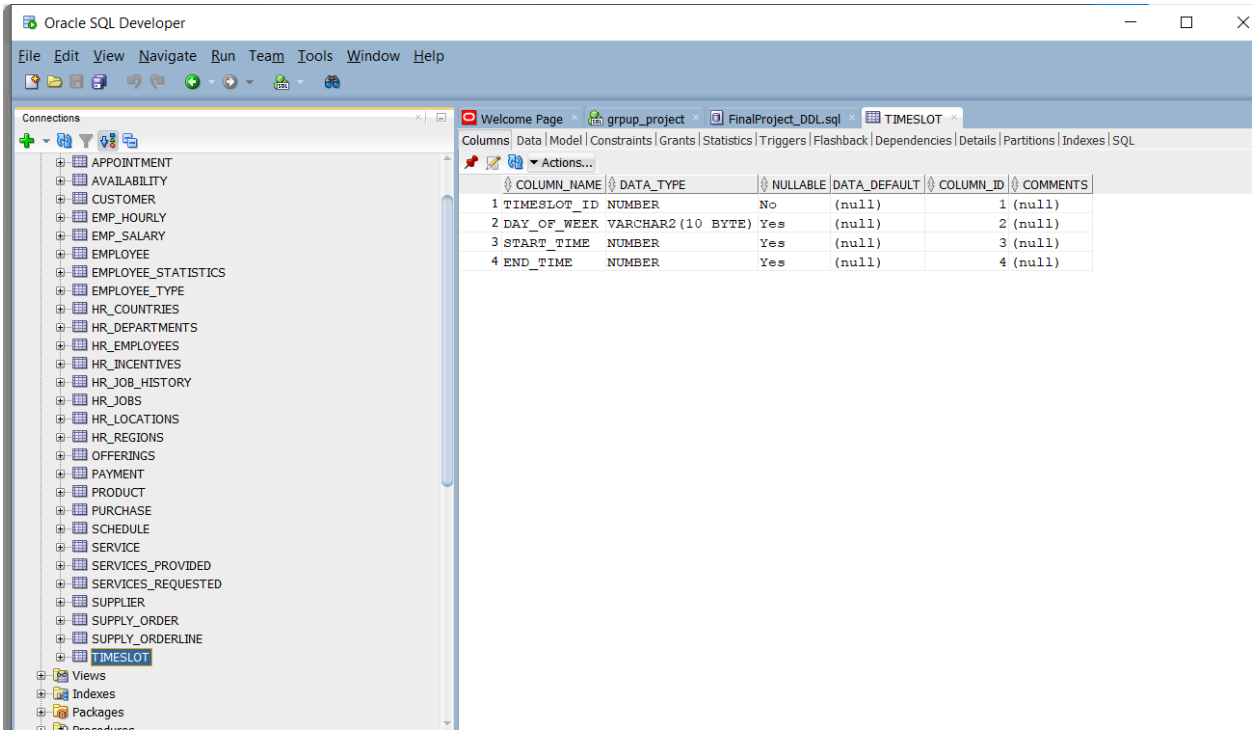
Supply_order



Supply_Orderline



Timeslot

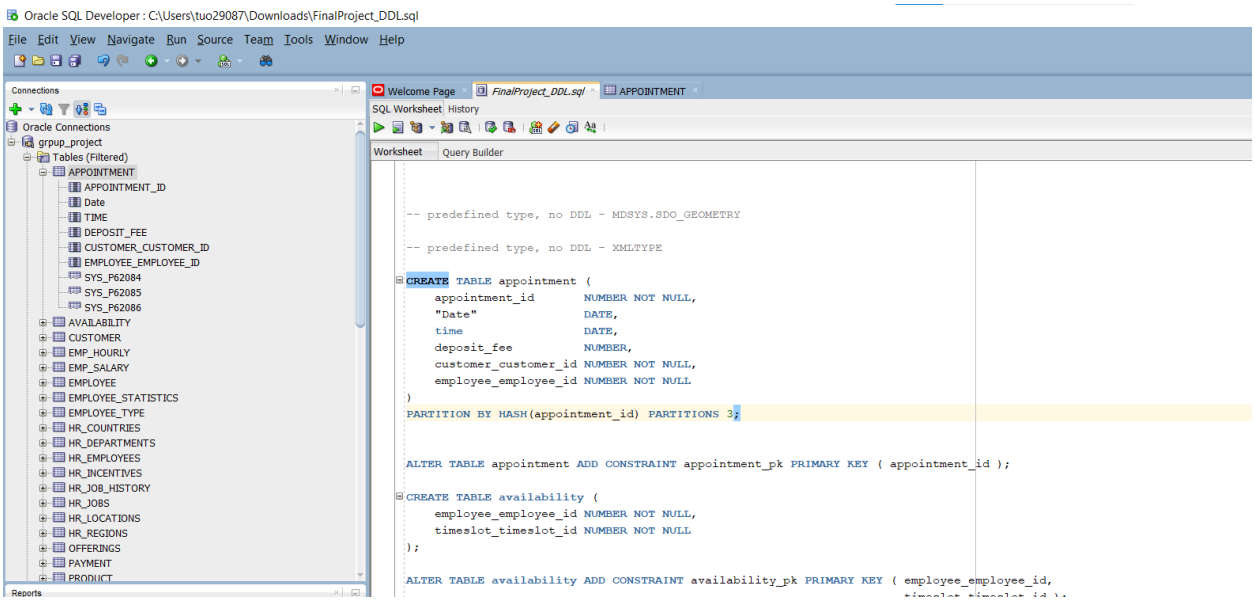


----------End tables----------

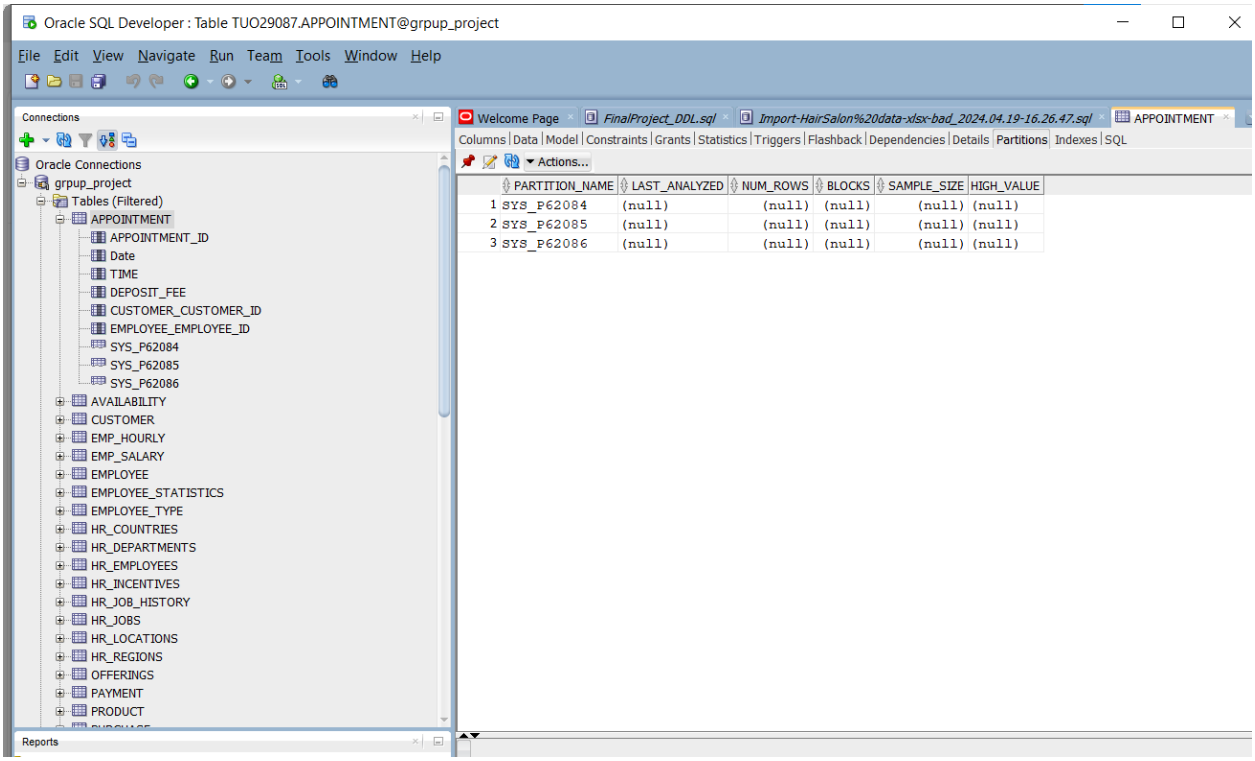
Part II. Partitions

Partition appointment table to search appointments (large table) quickly.

Implementing the partition:



Screenshot of partitions:



Part III: Indexing

Create indexes on primary keys and commonly searched columns of large tables

Implementing the indexing:

```
CREATE UNIQUE INDEX Cust_indexPK ON CUSTOMER(customer_id);
CREATE UNIQUE INDEX Appt_indexPK ON APPOINTMENT(appointment_id);
CREATE UNIQUE INDEX Emp_indexPK ON EMPLOYEE(employee_id);
CREATE UNIQUE INDEX Off_indexPK ON OFFERING(offering_id);
CREATE UNIQUE INDEX Pay_indexPK ON PAYMENT(payment_id);
CREATE UNIQUE INDEX Pro_indexPK ON PRODUCT(product_id);
CREATE UNIQUE INDEX Sch_indexPK ON SCHEDULE(sechudle_id);
CREATE UNIQUE INDEX Serv_indexPK ON SERVICE(service_id);
CREATE UNIQUE INDEX Supp_indexPK ON SUPPLIER(supplier_id);
CREATE UNIQUE INDEX SuppOrder_indexPK ON SUPPLY_ORDER(order_id);
CREATE UNIQUE INDEX SuppOrderLine_indexPK ON SUPPLY_ORDERLINE(orderline_id);
CREATE UNIQUE INDEX Time_indexPK ON TIMESLOT(timeslot_id);
```

Screenshot of an index: