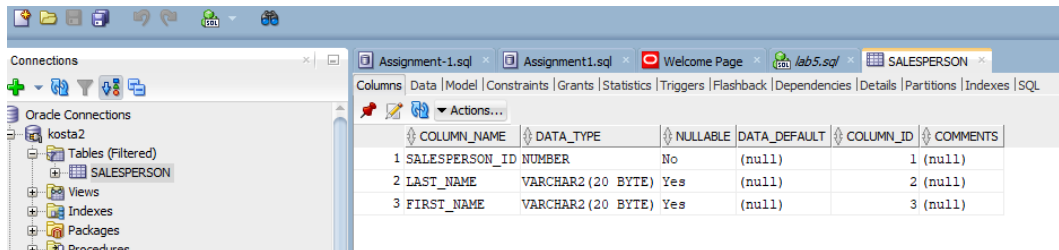


Kosta Nikopoulos

February 17<sup>th</sup>, 2021

## Lab 5

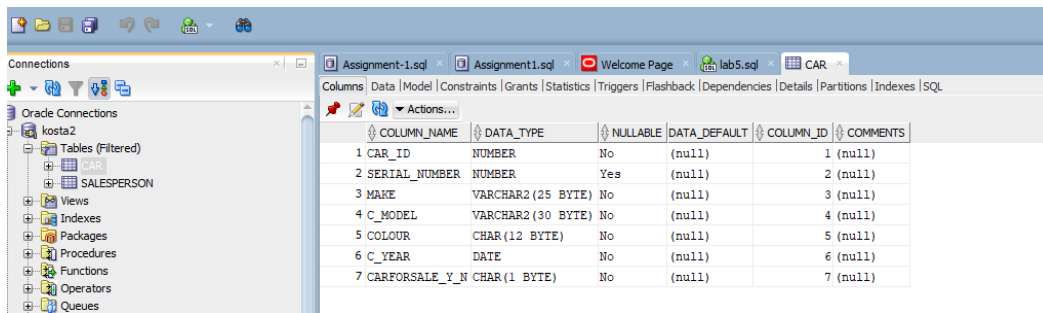
### Salesperson



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane shows a connection to 'kosta2'. The main pane displays the 'SALESPERSON' table structure. The table has three columns: SALESPERSON\_ID, LAST\_NAME, and FIRST\_NAME.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
SALESPERSON_ID	NUMBER	No	(null)	1	(null)
LAST_NAME	VARCHAR2 (20 BYTE)	Yes	(null)	2	(null)
FIRST_NAME	VARCHAR2 (20 BYTE)	Yes	(null)	3	(null)

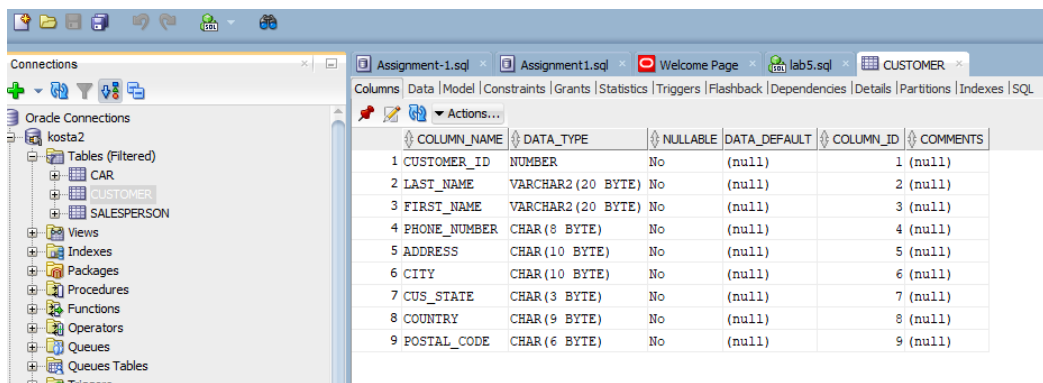
### Car



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane shows a connection to 'kosta2'. The main pane displays the 'CAR' table structure. The table has seven columns: CAR\_ID, SERIAL\_NUMBER, MAKE, C\_MODEL, COLOUR, C\_YEAR, and CARFORSALE\_Y\_N.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
CAR_ID	NUMBER	No	(null)	1	(null)
SERIAL_NUMBER	NUMBER	Yes	(null)	2	(null)
MAKE	VARCHAR2 (25 BYTE)	No	(null)	3	(null)
C_MODEL	VARCHAR2 (30 BYTE)	No	(null)	4	(null)
COLOUR	CHAR (12 BYTE)	No	(null)	5	(null)
C_YEAR	DATE	No	(null)	6	(null)
CARFORSALE_Y_N	CHAR (1 BYTE)	No	(null)	7	(null)

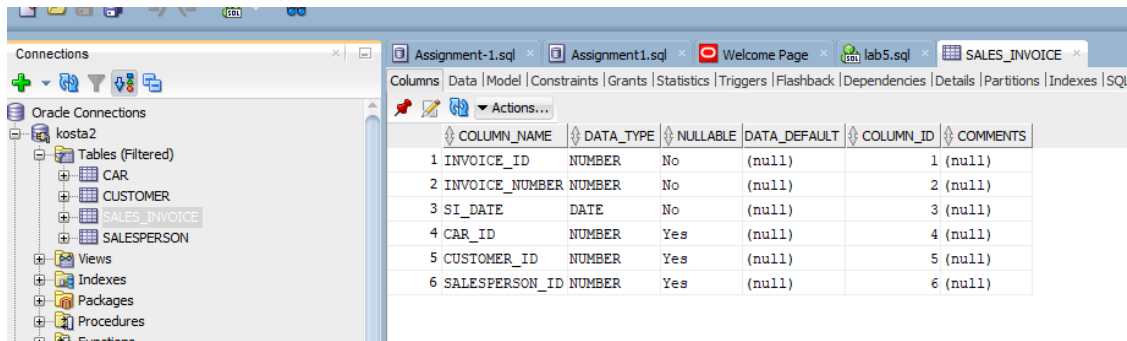
### Customer



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane shows a connection to 'kosta2'. The main pane displays the 'CUSTOMER' table structure. The table has nine columns: CUSTOMER\_ID, LAST\_NAME, FIRST\_NAME, PHONE\_NUMBER, ADDRESS, CITY, CUS\_STATE, COUNTRY, and POSTAL\_CODE.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
CUSTOMER_ID	NUMBER	No	(null)	1	(null)
LAST_NAME	VARCHAR2 (20 BYTE)	No	(null)	2	(null)
FIRST_NAME	VARCHAR2 (20 BYTE)	No	(null)	3	(null)
PHONE_NUMBER	CHAR (8 BYTE)	No	(null)	4	(null)
ADDRESS	CHAR (10 BYTE)	No	(null)	5	(null)
CITY	CHAR (10 BYTE)	No	(null)	6	(null)
CUS_STATE	CHAR (3 BYTE)	No	(null)	7	(null)
COUNTRY	CHAR (9 BYTE)	No	(null)	8	(null)
POSTAL_CODE	CHAR (6 BYTE)	No	(null)	9	(null)

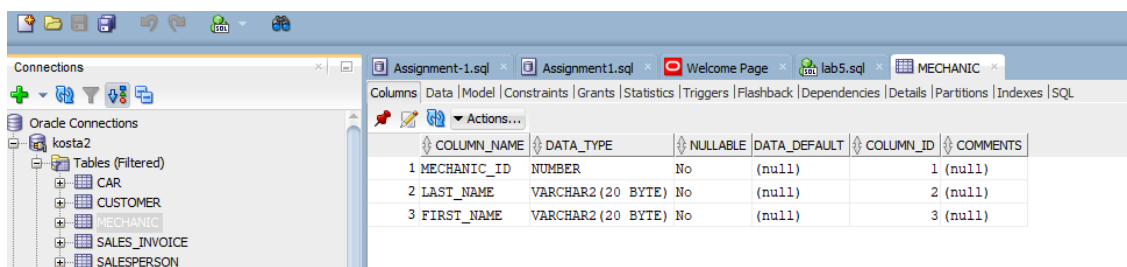
## Sales Invoice



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays 'kosta2' with a tree view of database objects. The 'Tables (Filtered)' section is expanded, and 'SALES\_INVOICE' is selected. The main pane shows the 'Columns' tab for the 'SALES\_INVOICE' table. The table has 6 columns: INVOICE\_ID, INVOICE\_NUMBER, SI\_DATE, CAR\_ID, CUSTOMER\_ID, and SALESPERSON\_ID. Each column has a data type, nullable status, default value, and a comment.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 INVOICE_ID	NUMBER	No	(null)	1 (null)	
2 INVOICE_NUMBER	NUMBER	No	(null)	2 (null)	
3 SI_DATE	DATE	No	(null)	3 (null)	
4 CAR_ID	NUMBER	Yes	(null)	4 (null)	
5 CUSTOMER_ID	NUMBER	Yes	(null)	5 (null)	
6 SALESPERSON_ID	NUMBER	Yes	(null)	6 (null)	

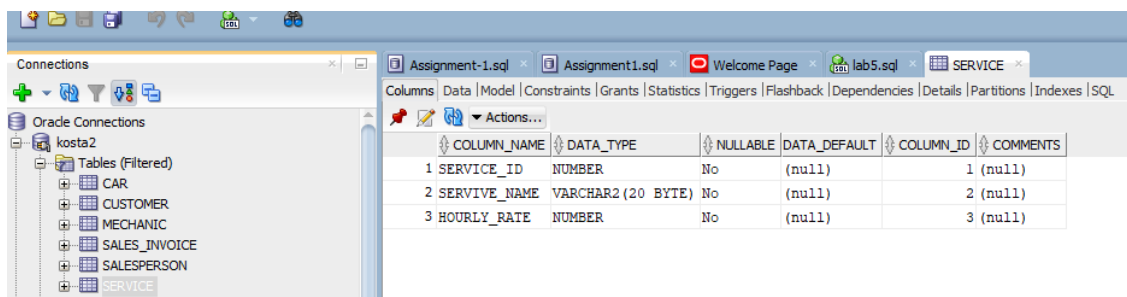
## Mechanic



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays 'kosta2' with a tree view of database objects. The 'Tables (Filtered)' section is expanded, and 'MECHANIC' is selected. The main pane shows the 'Columns' tab for the 'MECHANIC' table. The table has 3 columns: MECHANIC\_ID, LAST\_NAME, and FIRST\_NAME. Each column has a data type, nullable status, default value, and a comment.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 MECHANIC_ID	NUMBER	No	(null)	1 (null)	
2 LAST_NAME	VARCHAR2 (20 BYTE)	No	(null)	2 (null)	
3 FIRST_NAME	VARCHAR2 (20 BYTE)	No	(null)	3 (null)	

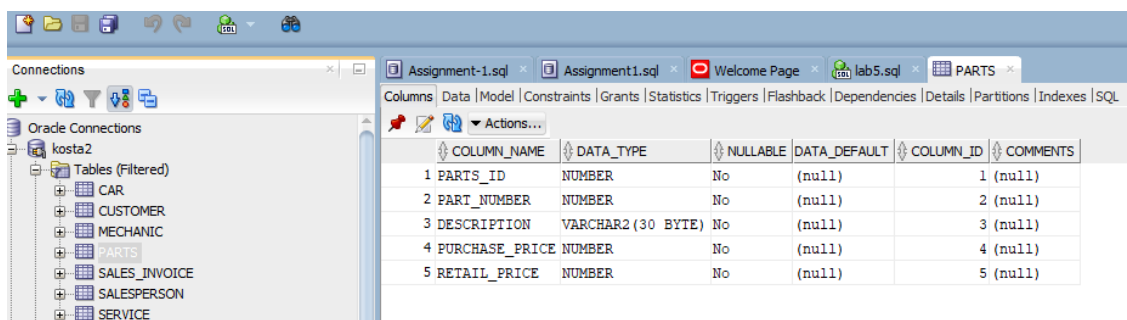
## Service



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays 'kosta2' with a tree view of database objects. The 'Tables (Filtered)' section is expanded, and 'SERVICE' is selected. The main pane shows the 'Columns' tab for the 'SERVICE' table. The table has 3 columns: SERVICE\_ID, SERVICE\_NAME, and HOURLY\_RATE. Each column has a data type, nullable status, default value, and a comment.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 SERVICE_ID	NUMBER	No	(null)	1 (null)	
2 SERVICE_NAME	VARCHAR2 (20 BYTE)	No	(null)	2 (null)	
3 HOURLY_RATE	NUMBER	No	(null)	3 (null)	

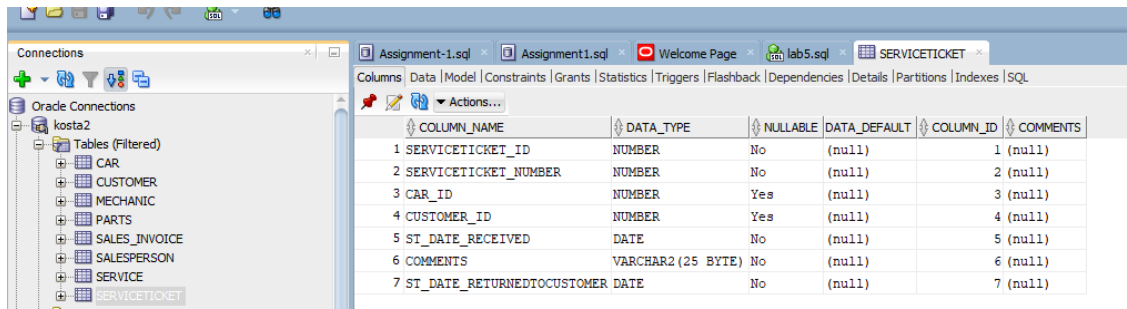
## Parts



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays 'kosta2' with a tree view of database objects. The 'Tables (Filtered)' section is expanded, and 'PARTS' is selected. The main pane shows the 'Columns' tab for the 'PARTS' table. The table has 5 columns: PARTS\_ID, PART\_NUMBER, DESCRIPTION, PURCHASE\_PRICE, and RETAIL\_PRICE. Each column has a data type, nullable status, default value, and a comment.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
1 PARTS_ID	NUMBER	No	(null)	1 (null)	
2 PART_NUMBER	NUMBER	No	(null)	2 (null)	
3 DESCRIPTION	VARCHAR2 (30 BYTE)	No	(null)	3 (null)	
4 PURCHASE_PRICE	NUMBER	No	(null)	4 (null)	
5 RETAIL_PRICE	NUMBER	No	(null)	5 (null)	

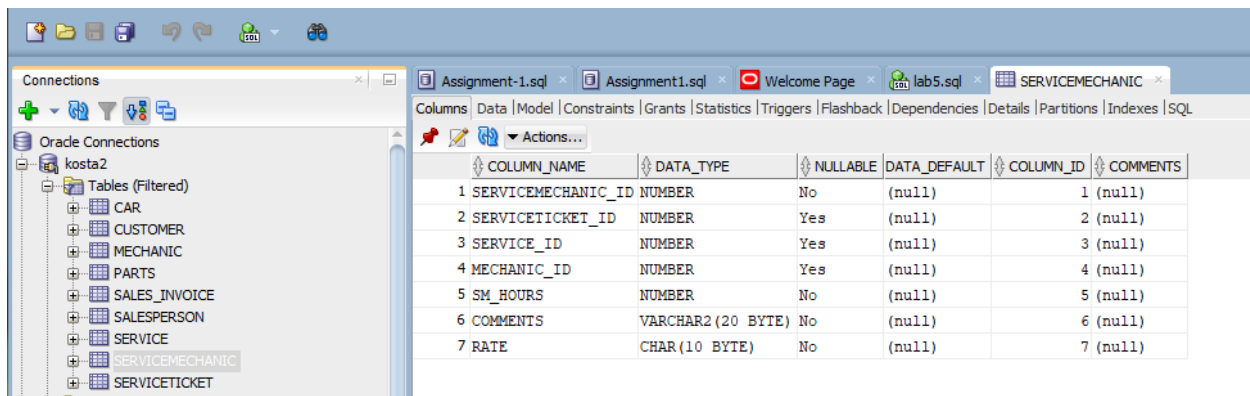
## Service Ticket



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays the 'kosta2' database with a tree of tables including CAR, CUSTOMER, MECHANIC, PARTS, SALES\_INVOICE, SALESPERSON, SERVICE, and SERVICE\_TICKET. The main pane shows the 'Columns' tab for the 'SERVICE\_TICKET' table. The table has 7 columns: SERVICE\_TICKET\_ID, SERVICE\_TICKET\_NUMBER, CAR\_ID, CUSTOMER\_ID, ST\_DATE\_RECEIVED, COMMENTS, and ST\_DATE\_RETURNEDTOCUSTOMER.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
SERVICE_TICKET_ID	NUMBER	No	(null)	1 (null)	
SERVICE_TICKET_NUMBER	NUMBER	No	(null)	2 (null)	
CAR_ID	NUMBER	Yes	(null)	3 (null)	
CUSTOMER_ID	NUMBER	Yes	(null)	4 (null)	
ST_DATE_RECEIVED	DATE	No	(null)	5 (null)	
COMMENTS	VARCHAR2 (25 BYTE)	No	(null)	6 (null)	
ST_DATE_RETURNEDTOCUSTOMER	DATE	No	(null)	7 (null)	

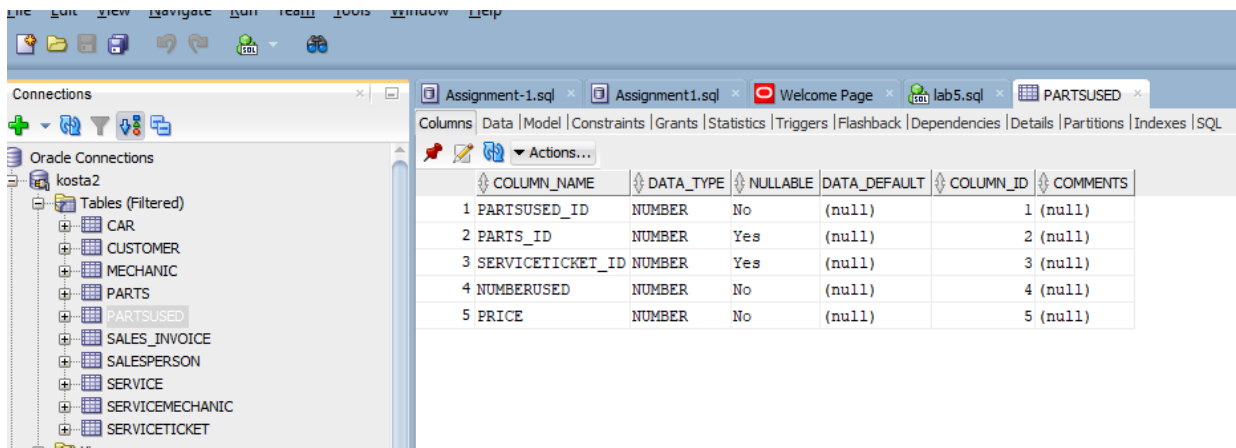
## Service Mechanic



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays the 'kosta2' database with a tree of tables including CAR, CUSTOMER, MECHANIC, PARTS, SALES\_INVOICE, SALESPERSON, SERVICE, SERVICE\_MECHANIC, and SERVICE\_TICKET. The main pane shows the 'Columns' tab for the 'SERVICE\_MECHANIC' table. The table has 7 columns: SERVICE\_MECHANIC\_ID, SERVICE\_TICKET\_ID, SERVICE\_ID, MECHANIC\_ID, SM\_HOURS, COMMENTS, and RATE.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
SERVICE_MECHANIC_ID	NUMBER	No	(null)	1 (null)	
SERVICE_TICKET_ID	NUMBER	Yes	(null)	2 (null)	
SERVICE_ID	NUMBER	Yes	(null)	3 (null)	
MECHANIC_ID	NUMBER	Yes	(null)	4 (null)	
SM_HOURS	NUMBER	No	(null)	5 (null)	
COMMENTS	VARCHAR2 (20 BYTE)	No	(null)	6 (null)	
RATE	CHAR (10 BYTE)	No	(null)	7 (null)	

## Parts Used



The screenshot shows the Oracle SQL Developer interface. On the left, the 'Connections' pane displays the 'kosta2' database with a tree of tables including CAR, CUSTOMER, MECHANIC, PARTS, PARTS\_USED, SALES\_INVOICE, SALESPERSON, SERVICE, SERVICE\_MECHANIC, and SERVICE\_TICKET. The main pane shows the 'Columns' tab for the 'PARTS\_USED' table. The table has 5 columns: PARTS\_USED\_ID, PARTS\_ID, SERVICE\_TICKET\_ID, NUMBERUSED, and PRICE.

COLUMN_NAME	DATA_TYPE	NULLABLE	DATA_DEFAULT	COLUMN_ID	COMMENTS
PARTS_USED_ID	NUMBER	No	(null)	1 (null)	
PARTS_ID	NUMBER	Yes	(null)	2 (null)	
SERVICE_TICKET_ID	NUMBER	Yes	(null)	3 (null)	
NUMBERUSED	NUMBER	No	(null)	4 (null)	
PRICE	NUMBER	No	(null)	5 (null)	