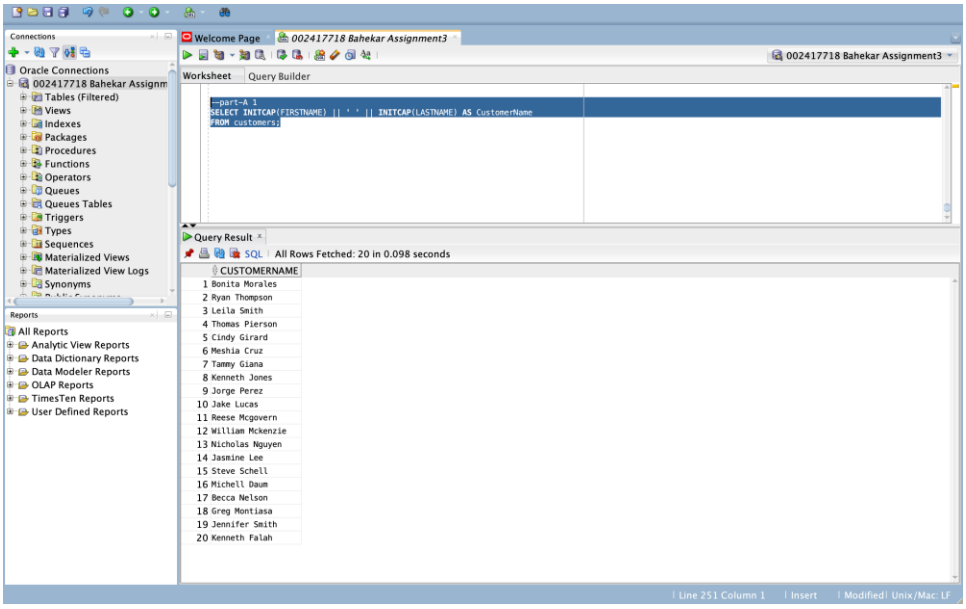
002417718 – Siddharth Bahekar – Individual Assignment 3

PART – A

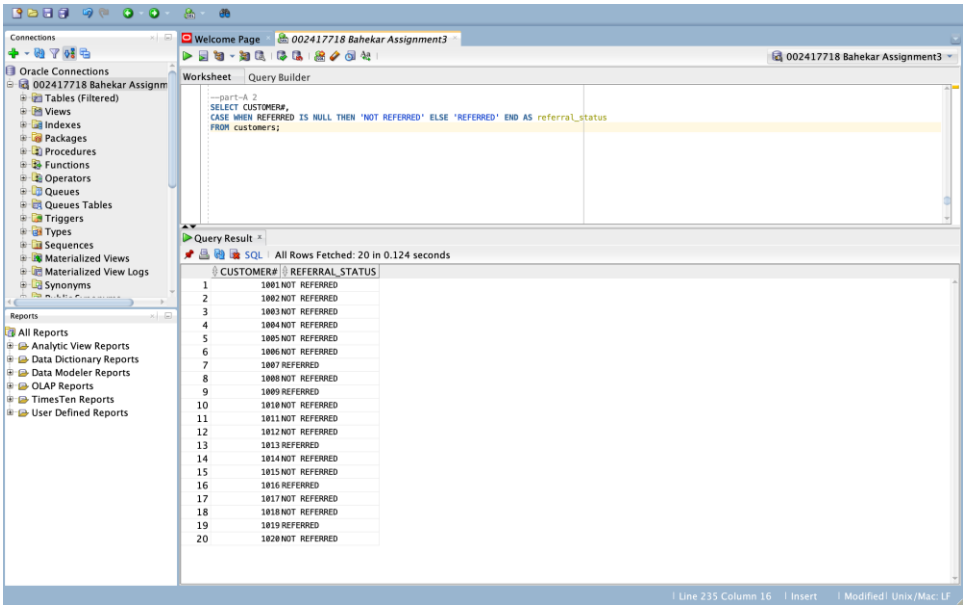
--part-A 1

```
SELECT INITCAP(FIRSTNAME) || ' ' || INITCAP(LASTNAME) AS CustomerName
FROM customers;
```



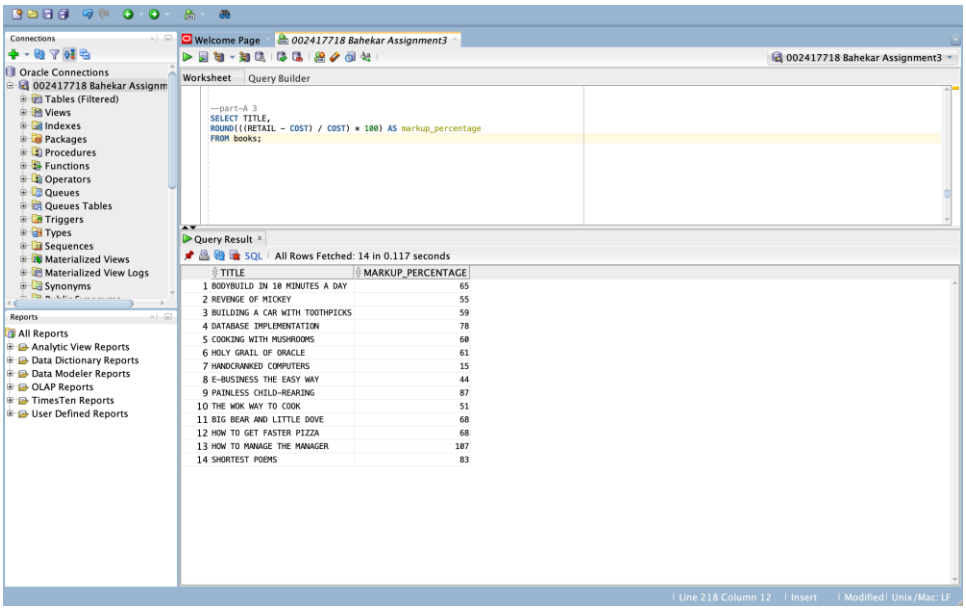
--part-A 2

```
SELECT CUSTOMER#,
CASE WHEN REFERRED IS NULL THEN 'NOT REFERRED' ELSE 'REFERRED' END AS referral_status
FROM customers;
```



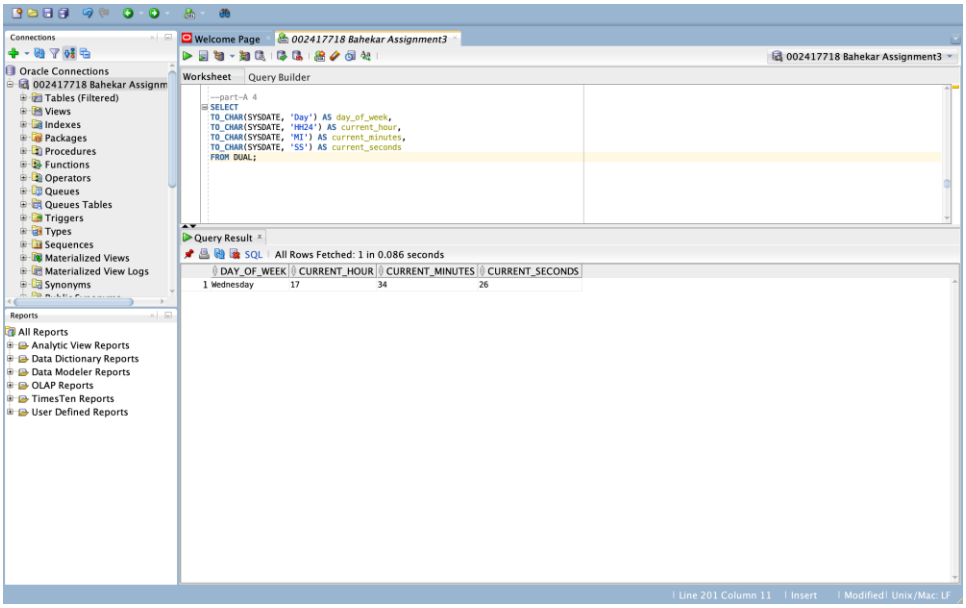
--part-A 3

```
SELECT TITLE,
ROUND(((RETAIL - COST) / COST) * 100) AS markup_percentage
FROM books;
```



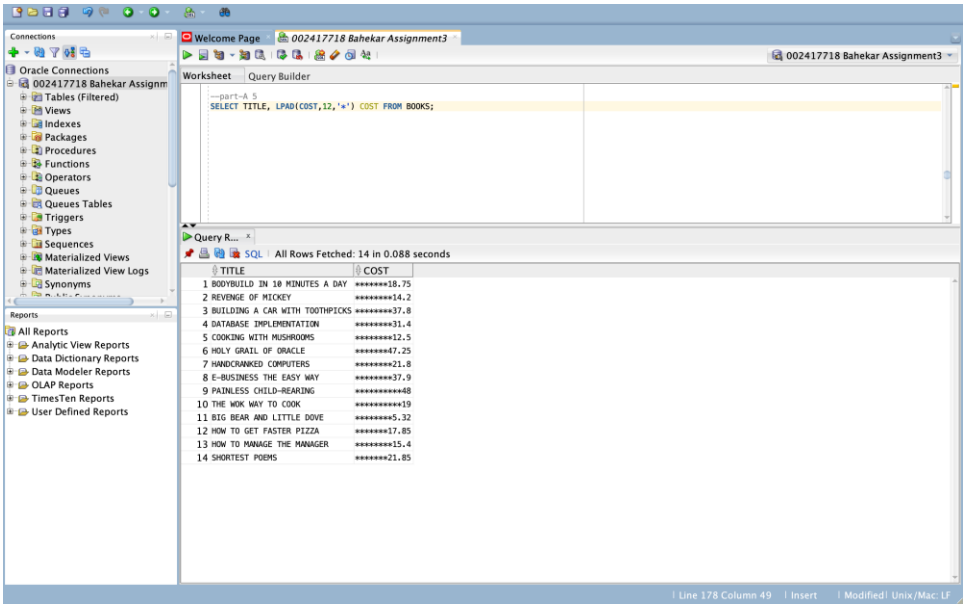
--part-A 4

```
SELECT
TO_CHAR(SYSDATE, 'Day') AS day_of_week,
TO_CHAR(SYSDATE, 'HH24') AS current_hour,
TO_CHAR(SYSDATE, 'MI') AS current_minutes,
TO_CHAR(SYSDATE, 'SS') AS current_seconds
FROM DUAL;
```



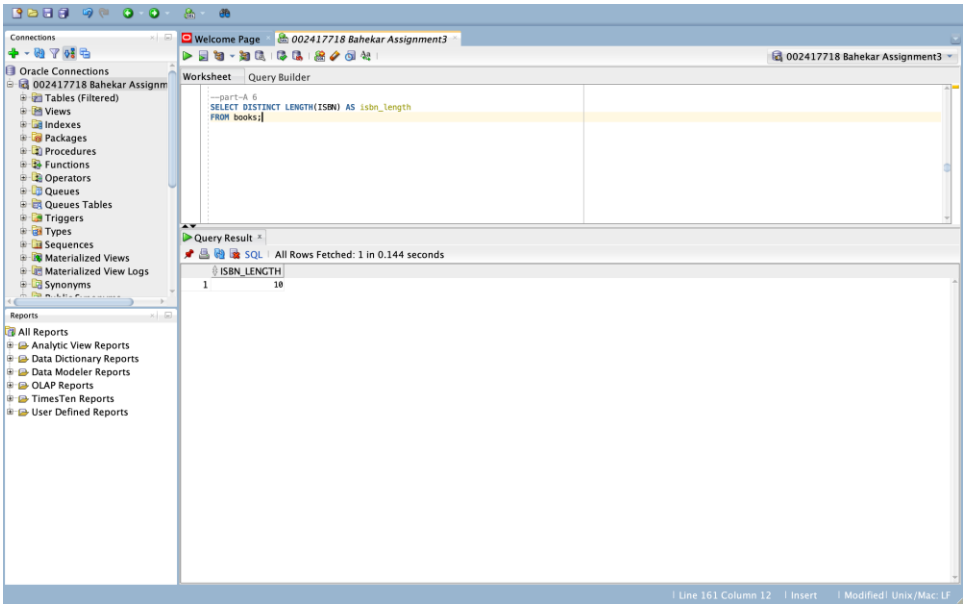
--part-A 5

SELECT TITLE, LPAD(COST,12,'*') COST FROM BOOKS;



--part-A 6

SELECT DISTINCT LENGTH(ISBN) AS isbn_length FROM books;



--part-A 7

SELECT

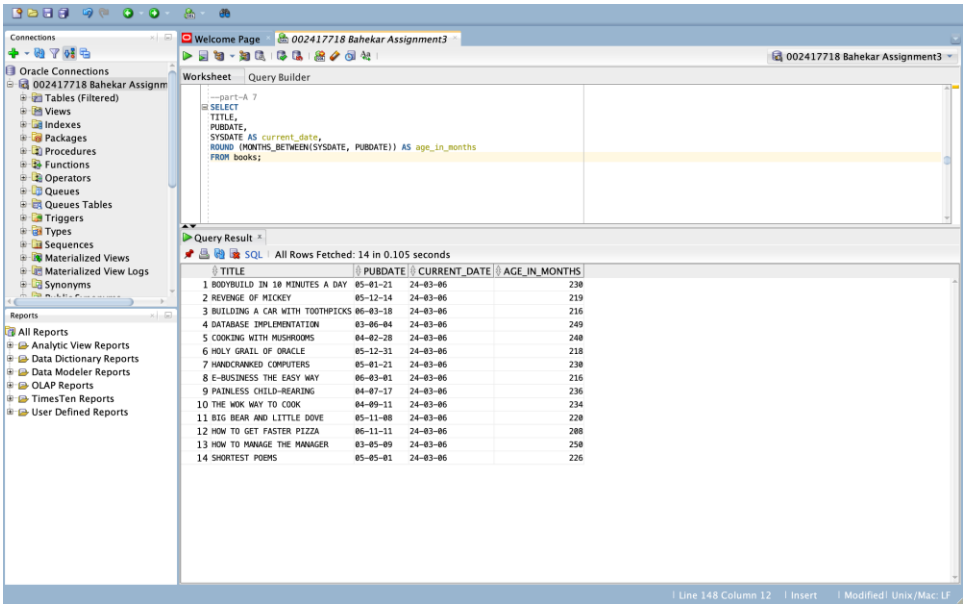
TITLE,

PUBDATE,

SYSDATE AS current_date,

ROUND (MONTHS_BETWEEN(SYSDATE, PUBDATE)) AS age_in_months

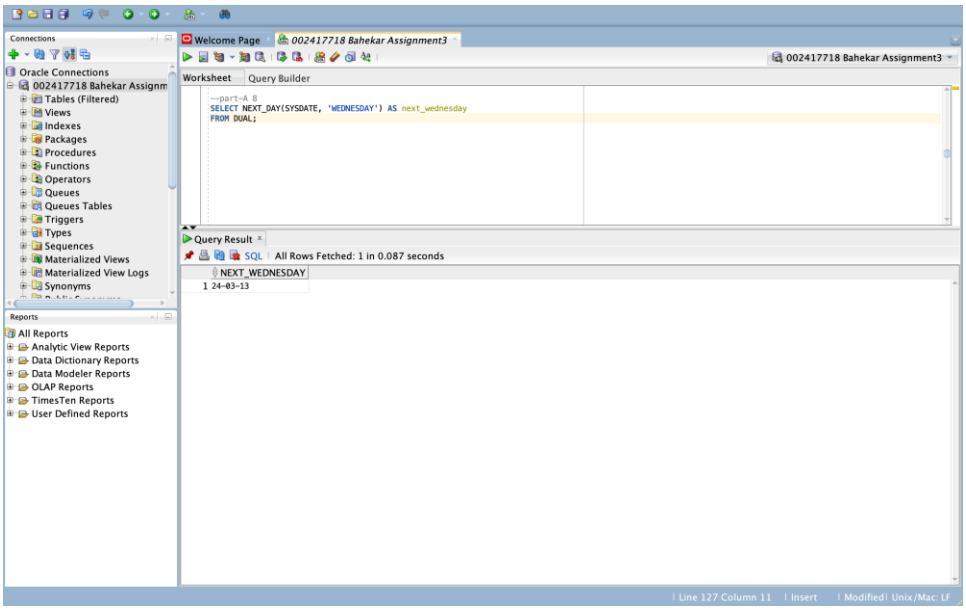
FROM books;



--part-A 8

SELECT NEXT_DAY(SYSDATE, 'WEDNESDAY') AS next_wednesday

FROM DUAL;



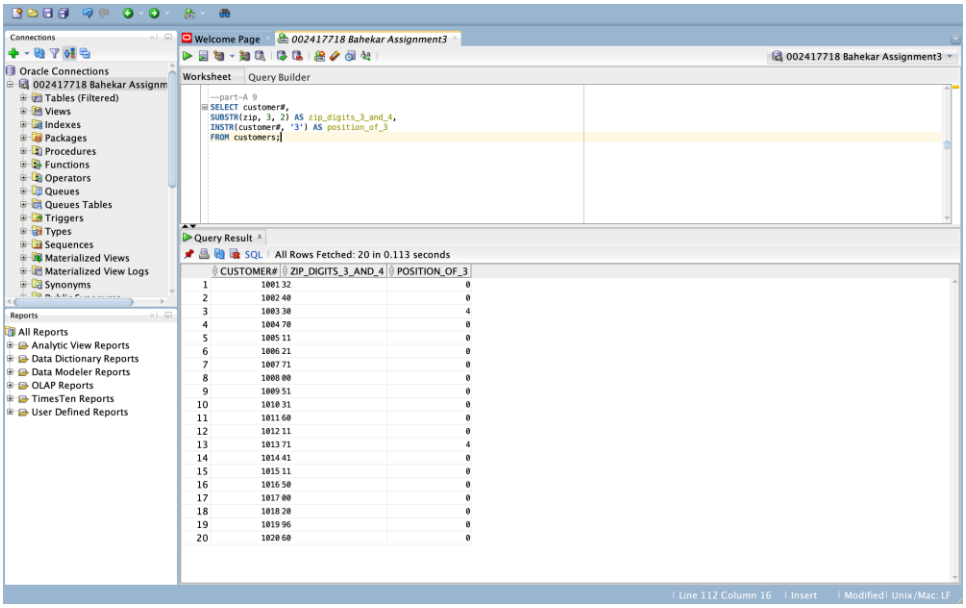
--part-A 9

SELECT customer#,

SUBSTR(zip, 3, 2) AS zip_digits_3_and_4,

INSTR(customer#, '3') AS position_of_3

FROM customers;



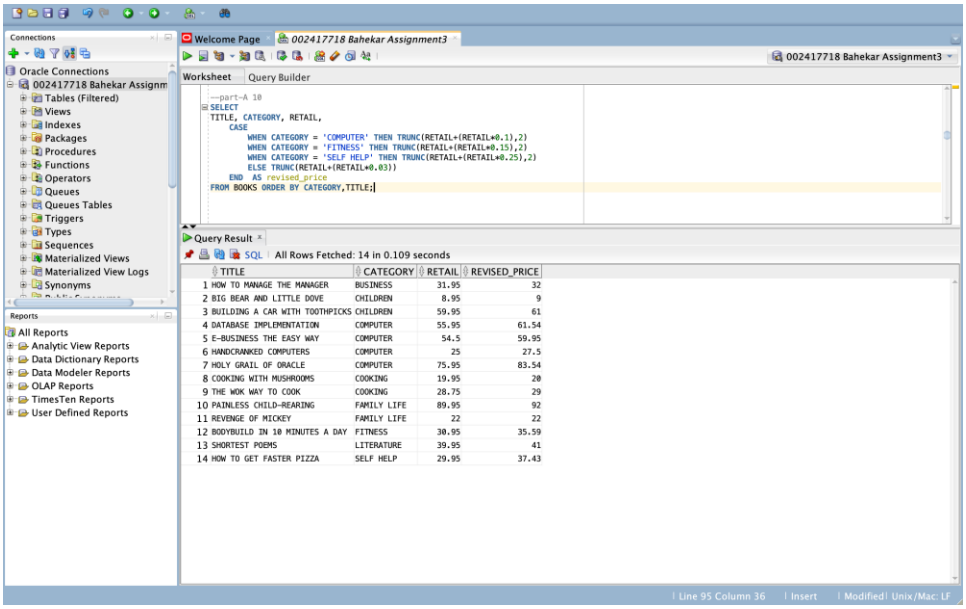
--part-A 10

SELECT

TITLE, CATEGORY, RETAIL,

CASE

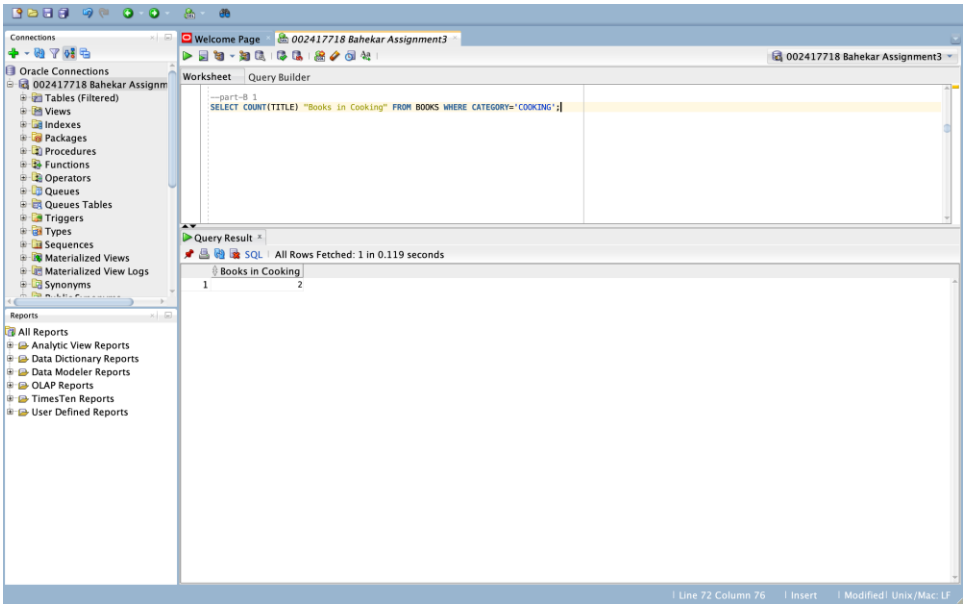
```
    WHEN CATEGORY = 'COMPUTER' THEN TRUNC(RETAIL+(RETAIL*0.1),2)
    WHEN CATEGORY = 'FITNESS' THEN TRUNC(RETAIL+(RETAIL*0.15),2)
    WHEN CATEGORY = 'SELF HELP' THEN TRUNC(RETAIL+(RETAIL*0.25),2)
    ELSE TRUNC(RETAIL+(RETAIL*0.03))
  END  AS revised_price
FROM BOOKS ORDER BY CATEGORY,TITLE;
```



PART - B

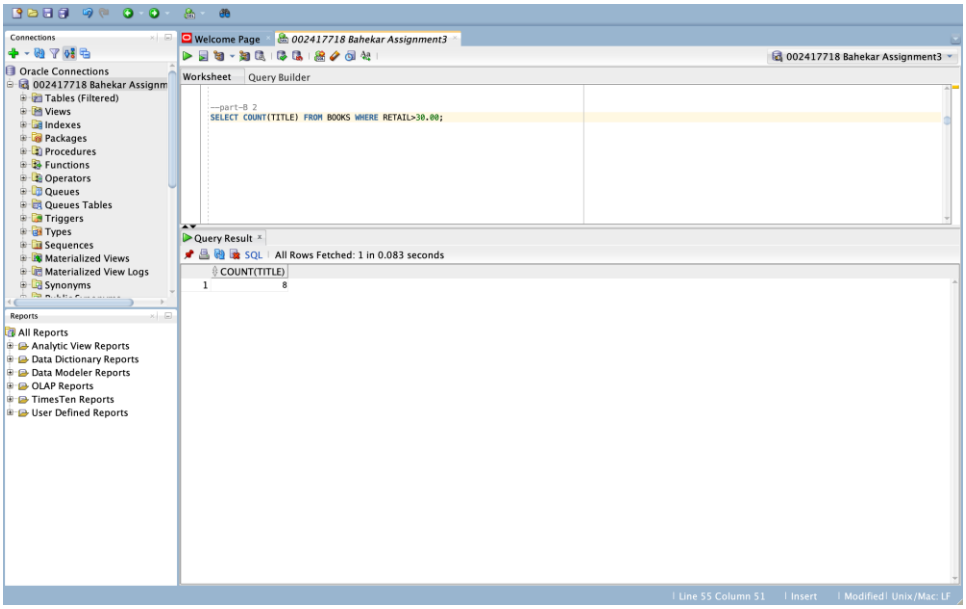
--part-B 1

SELECT COUNT(TITLE) "Books in Cooking" FROM BOOKS WHERE CATEGORY='COOKING';



--part-B 2

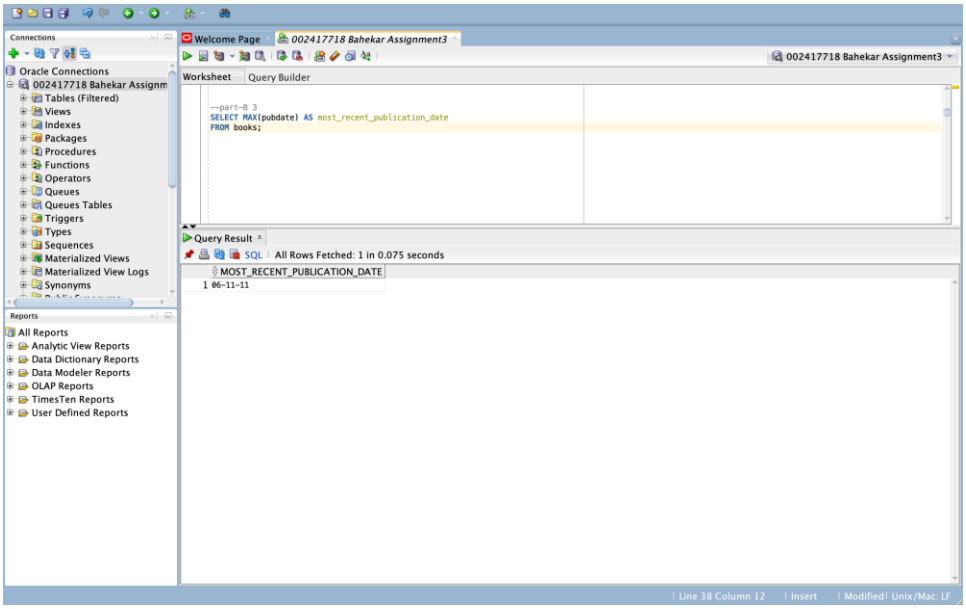
SELECT COUNT(TITLE) FROM BOOKS WHERE RETAIL>30.00;



--part-B 3

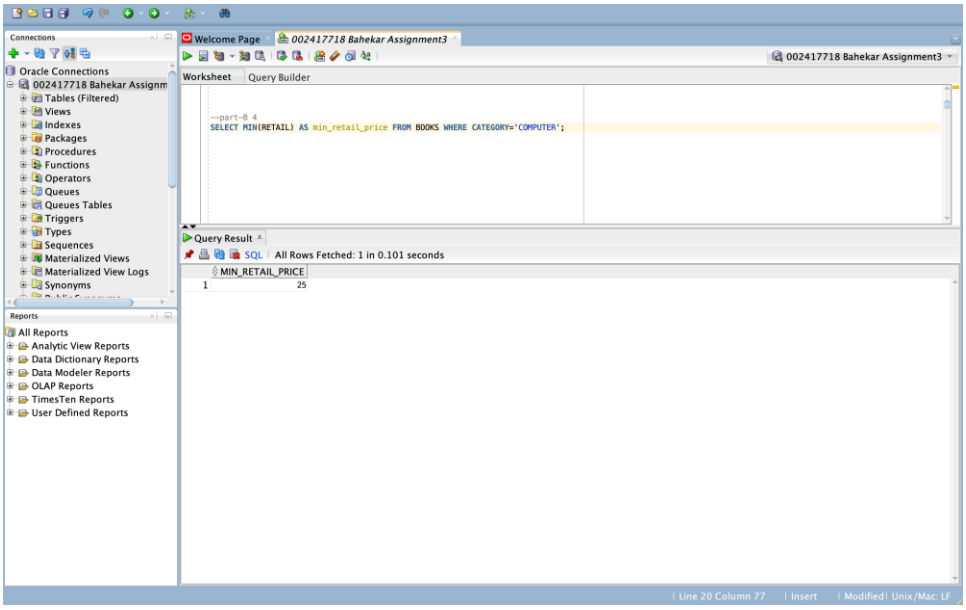
SELECT MAX(pubdate) AS most_recent_publication_date

FROM books;



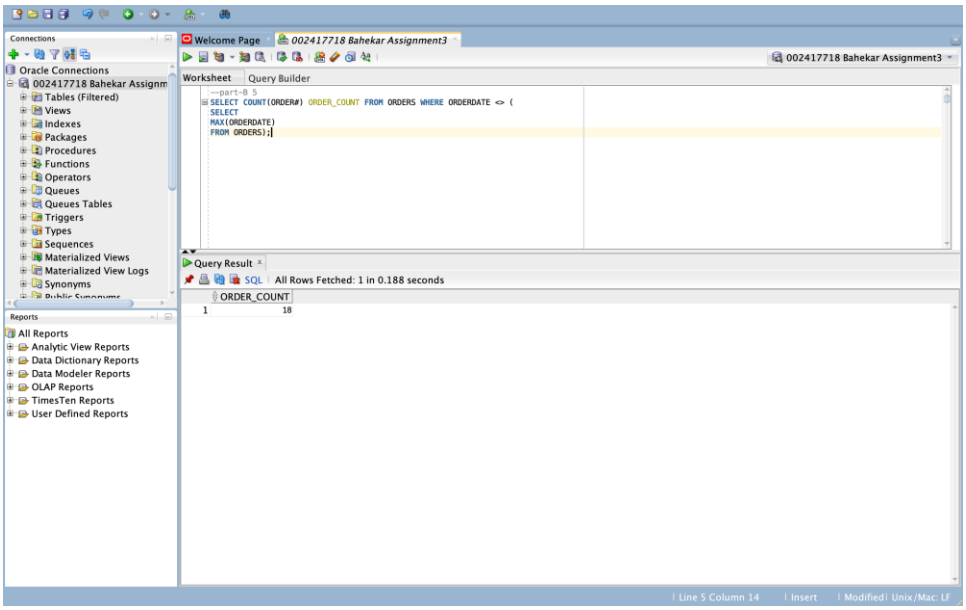
--part-B 4

SELECT MIN(RETAIL) AS min_retail_price FROM BOOKS WHERE CATEGORY='COMPUTER';



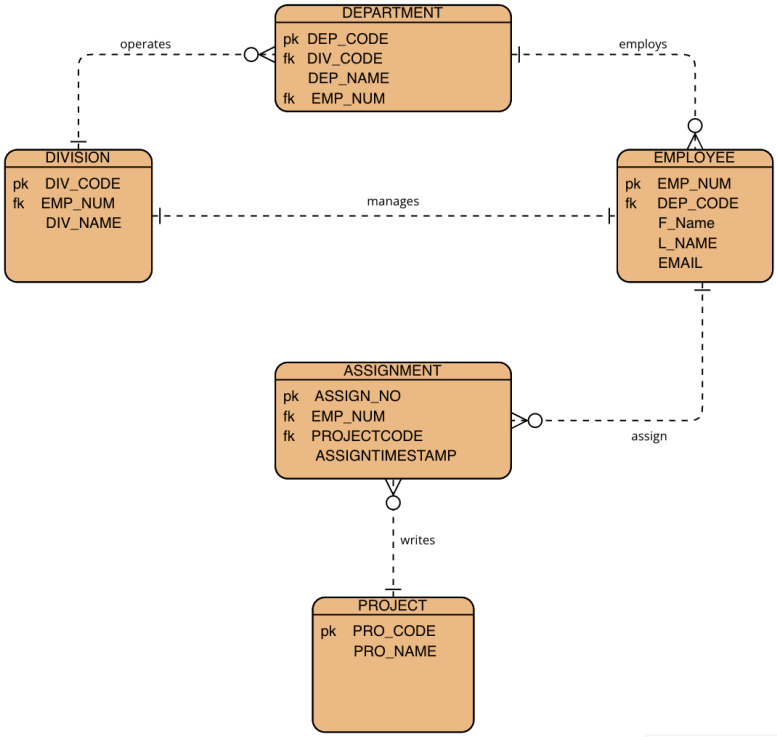
--part-B 5

```
SELECT COUNT(ORDER#) ORDER_COUNT FROM ORDERS WHERE ORDERDATE <> (
SELECT
MAX(ORDERDATE)
FROM ORDERS);
```

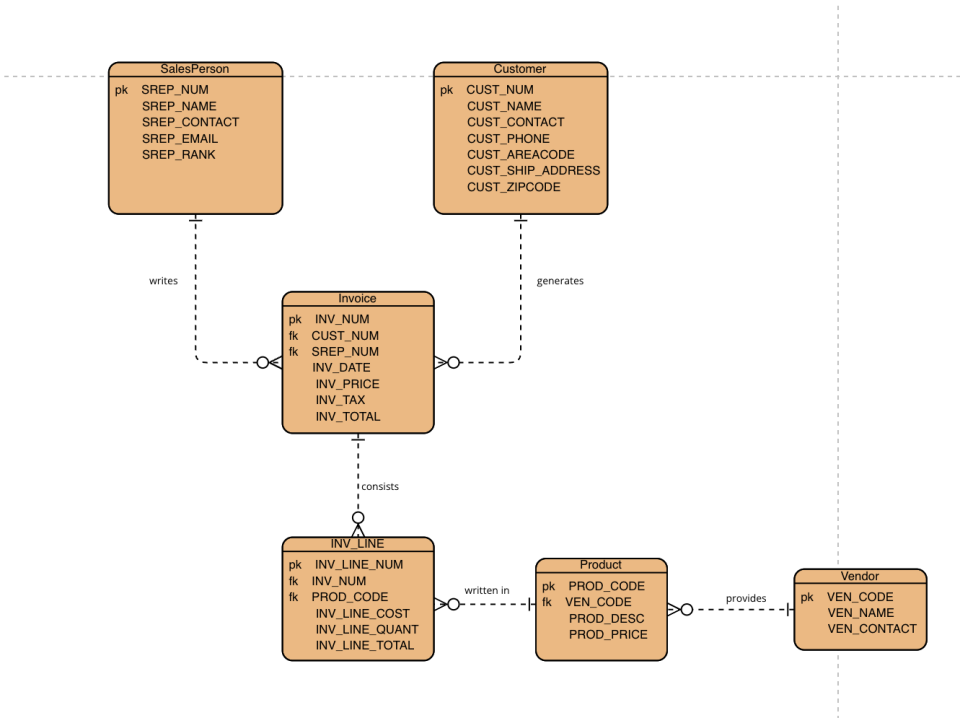


PART – C

Q1)


DEPARTMENT
pk DEP_CODE
fk DIV_CODE
DEP_NAME
fk EMP_NUM
operates
employs
DIVISION
pk DIV_CODE
fk EMP_NUM
DIV_NAME
manages
EMPLOYEE
pk EMP_NUM
fk DEP_CODE
F_Name
L_NAME
EMAIL
ASSIGNMENT
pk ASSIGN_NO
fk EMP_NUM
fk PROJECTCODE
ASSIGNTIMESTAMP
assign
writes
PROJECT
pk PRO_CODE
PRO_NAME

Q2)


SalesPerson
pk SREP_NUM
SREP_NAME
SREP_CONTACT
SREP_EMAIL
SREP_RANK
Customer
pk CUST_NUM
CUST_NAME
CUST_CONTACT
CUST_PHONE
CUST_AREACODE
CUST_SHIP_ADDRESS
CUST_ZIPCODE
writes
generates
Invoice
pk INV_NUM
fk CUST_NUM
fk SREP_NUM
INV_DATE
INV_PRICE
INV_TAX
INV_TOTAL
consists
INV_LINE
pk INV_LINE_NUM
fk INV_NUM
fk PROD_CODE
INV_LINE_COST
INV_LINE_QUANT
INV_LINE_TOTAL
written in
Product
pk PROD_CODE
fk VEN_CODE
PROD_DESC
PROD_PRICE
provides
Vendor
pk VEN_CODE
VEN_NAME
VEN_CONTACT