DBMS ASSIGNMENTS

PART A

INDEX

DBMS ASSIGNMENTS

PART A

Activity 1:
Database : Student (DDL, DML statements)
Table: Student

Name	Regno	Class	Major
Smith	17	1	CS
Brown	8	2	CS

Table: Course

CourseName	CourseNumber	CreditHours	Department
Intro to computer science	CS1310	4	CS
Data Structure	CS3320	4	CS
Discrete Mathematics	MATH2410	3	MATH
Database	CS3380	3	CS

Table: Section

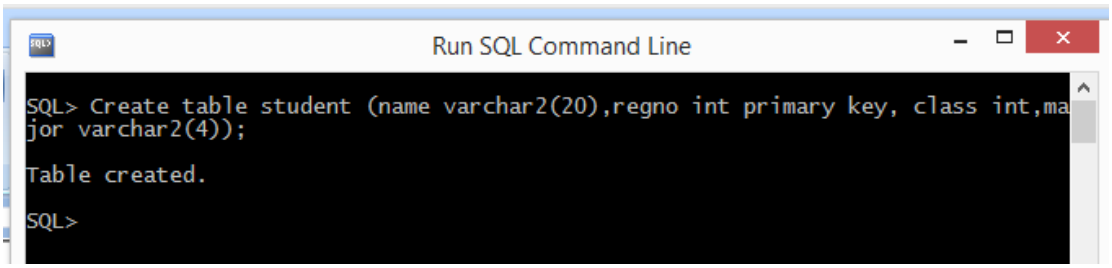
SectionIndentifier	CourseNumber	Year	Instructor
85	MATH2410	98	King
92	CS1310	98	Andreson
102	CS3320	99	Knuth
112	MATH2410	99	Chang
119	CS1310	99	Andreson
135	CS3380	99	Stone

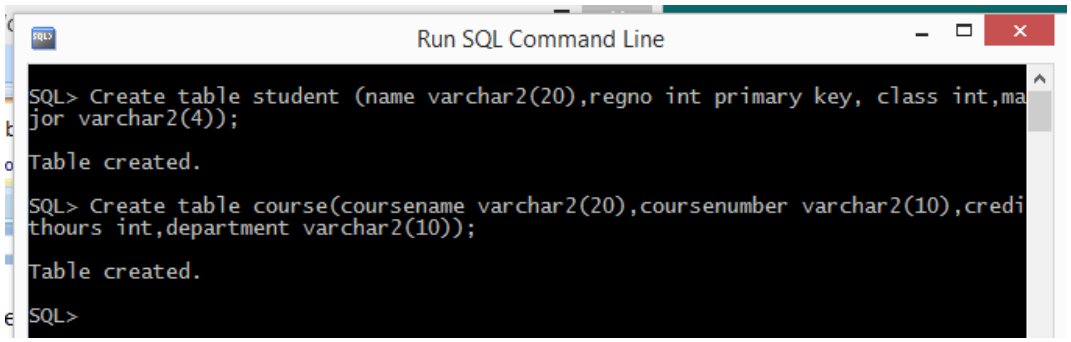
Table: Grade_report

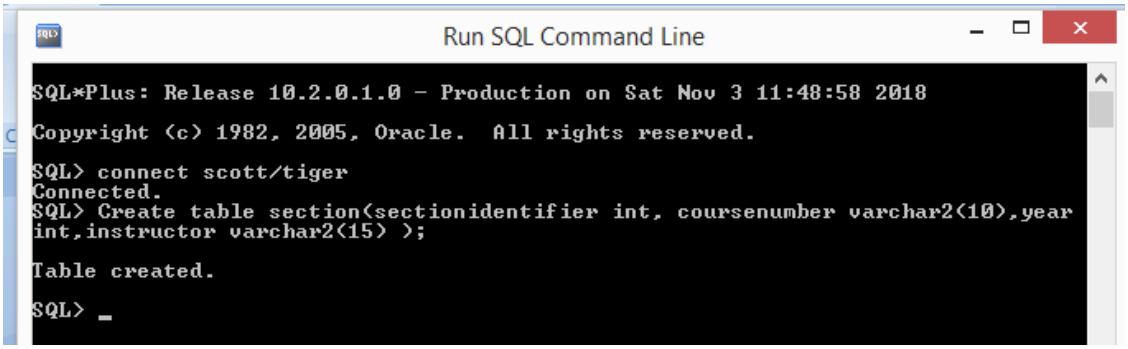
Regno	Section_identifier	Grade
17	112	B
17	119	C
8	85	A
8	92	A
8	102	B
8	135	A

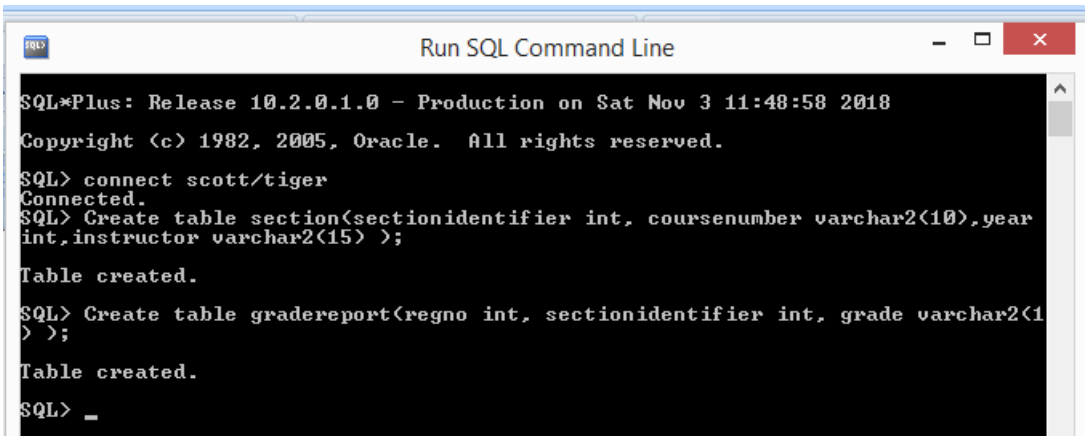
1. **CREATE TABLES USING CREATE STATEMENT**
2. **INSERT ROWS TO INDIVIDUAL TABLES USING INSERT STATEMENT**
3. **ALTER TABLE SECTION ADD NEW FIELD SECTION AND UPDATE THE RECORDS**
4. **DELETE BROWN'S GRADE REPORT**
5. **DROP THE TABLE SECTION**

1. CREATE TABLES USING CREATE STATEMENT

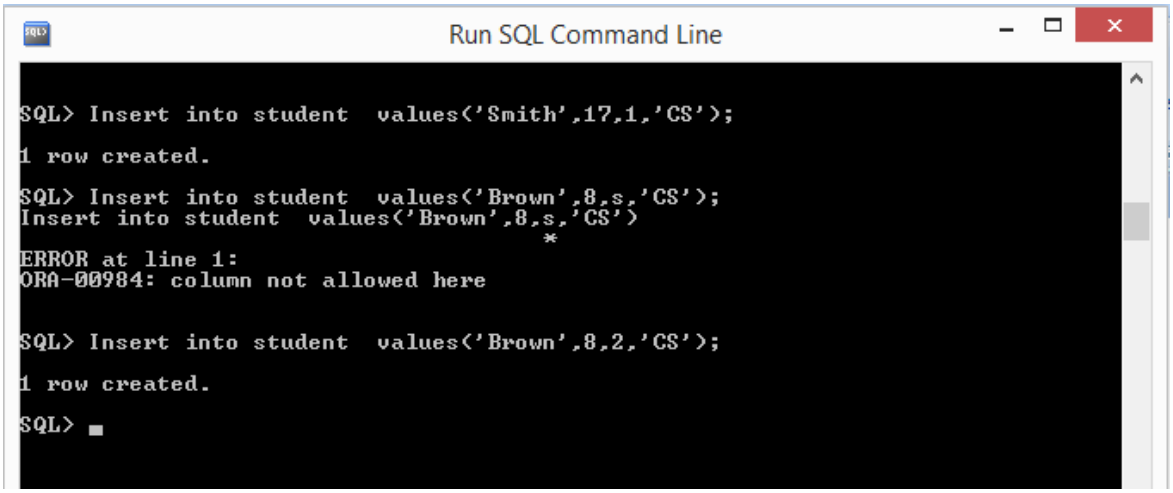


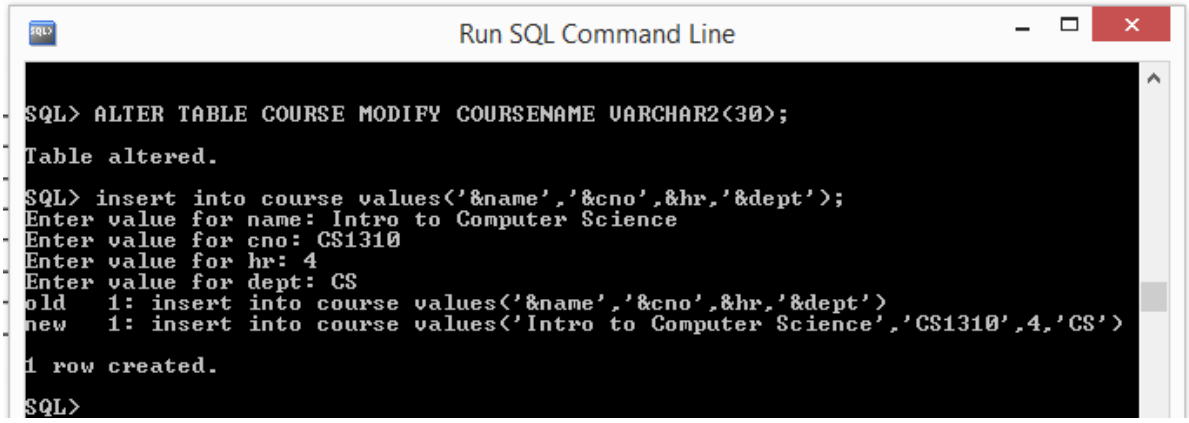




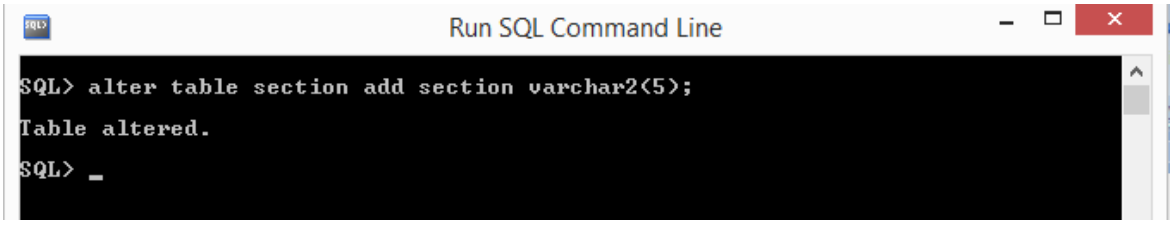


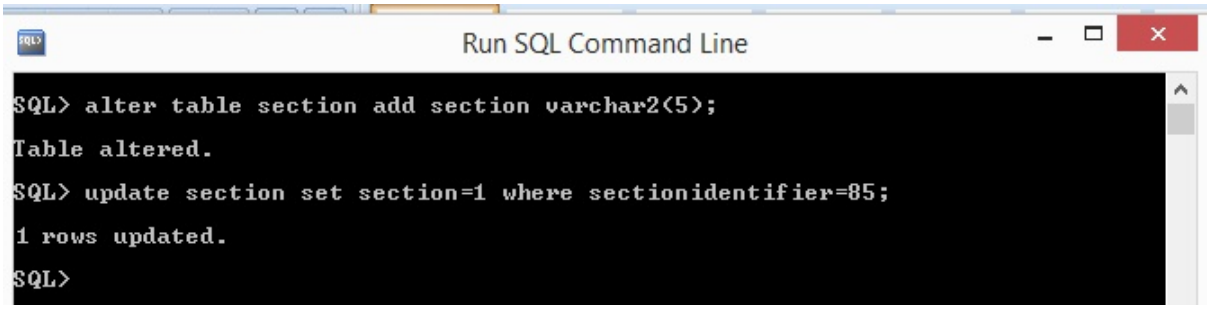
2. INSERT ROWS TO INDIVIDUAL TABLES USING INSERT STATEMENT



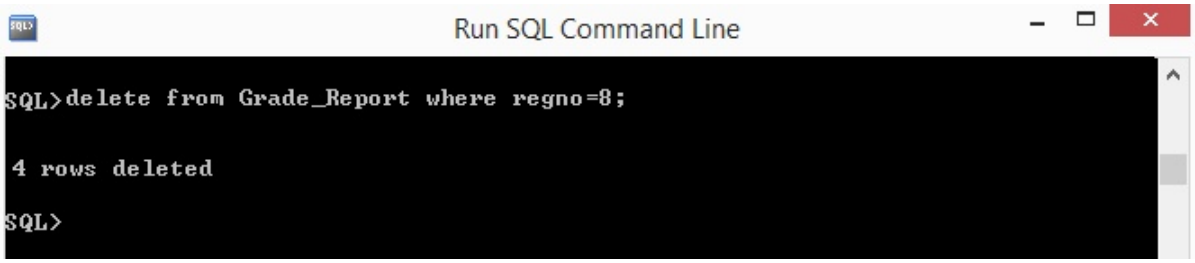


3. ALTER TABLE SECTION ADD NEW FIELD SECTION AND UPDATE THE RECORDS

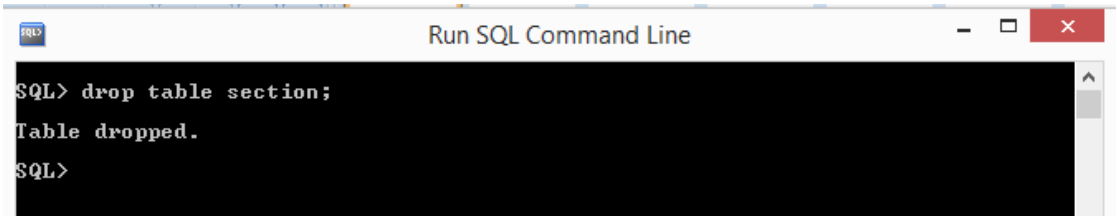




4. DELETE BROWN'S GRADE REPORT



5. DROP THE TABLE SECTION



Activity 2: (Select clause, Arithmetic Operators)
Database: employee
Create Following **tables** and insert **tuples** with suitable constraints

EMPLOYEE

EMPID	FIRSTANAME	LASTNAME	Hire_Date	ADDRESS	CITY
1001	George	Smith	11-May-06	83 first street	Paris
1002	Mary	Jones	25-Feb-08	842 Vine Ave	Losantiville
1012	Sam	Tones	12-Sep-05	33 Elm St.	Paris
1015	Peter	Thompson	19-Dec-06	11 Red Road	Paris
1016	Sarath	Sharma	22-Aug-07	440 MG Road	New Delhi
1020	Monika	Gupta	07-Jun-08	9 Bandra	Mumbai

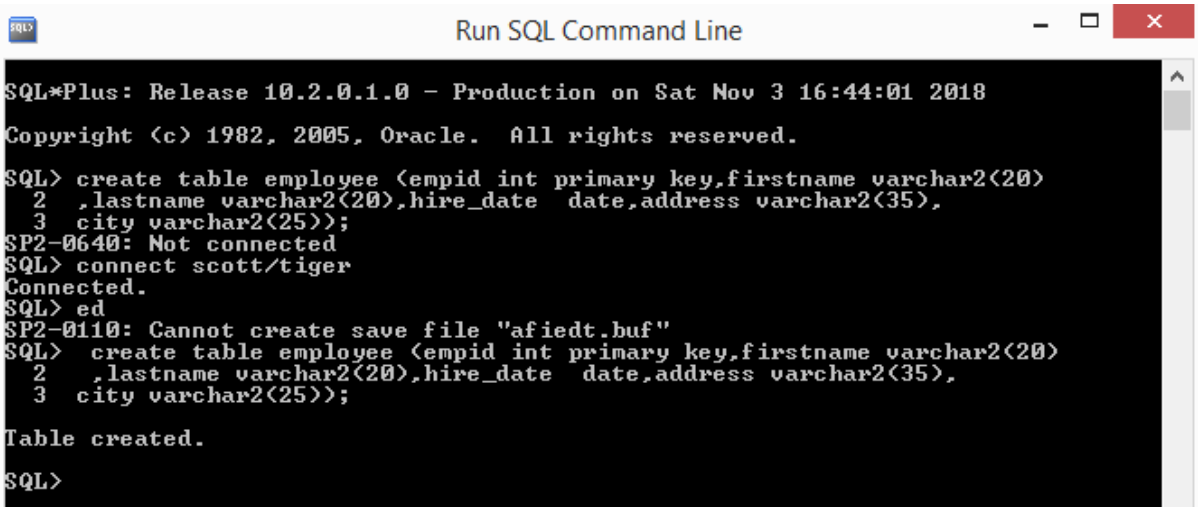
EMPSALARY

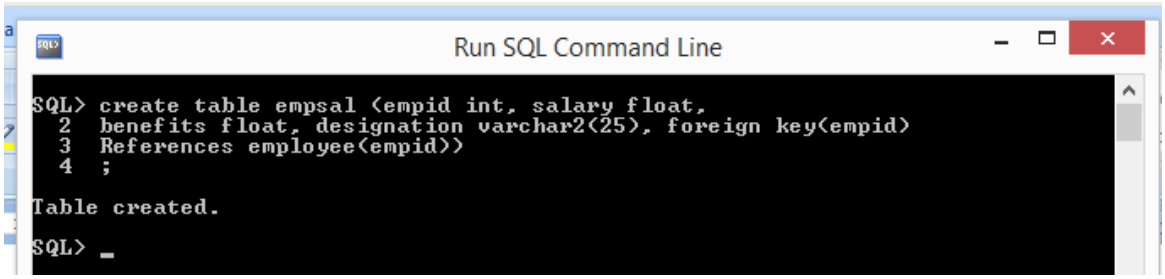
EMPID	SALARY	BENEFITS	DESIGNATION
1001	10000	3000	Manager
1002	8000	1200	Salesman
1012	20000	5000	Director
1015	6500	1300	Clerk
1016	6000	1000	Clerk
1020	8000	1200	Salesman

Write queries for the following

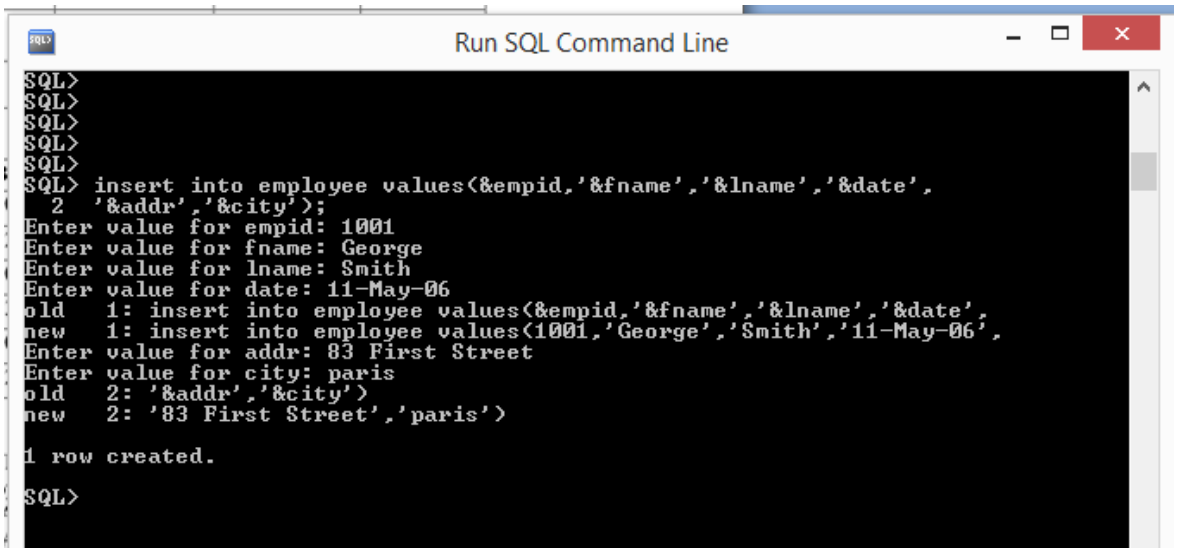
1. To display FIRSTNAME, LASTNAME, ADDRESS AND CITY of all employees living in PARIS.
2. To display the content of employee table in descending order of FIRSTNAME
3. Select FIRSTNAME and SALARY of salesman
4. To display the FIRSTNAME,LASTNAME, AND TOTAL SALARY of all employees from the table EMPLOYEE and EMPSALARY. Where TOTAL SALARY is calculated as SALARY+BENEFITS
5. List the Names of employees, who are more than 1 year old in the organization
6. Count number of distinct DESINGATION from EMPSALARY
7. List the employees whose names have exactly 6 characters
8. Add new column PHONE_NO to EMPLOYEE and update the records
9. List employee names, who have joined before 15-Jun-08 and after 16-Jun-07
10. Generate Salary slip with Name, Salary, Benefits, HRA-50%, DA-30%, PF-12%, Calculate gross. Order the result in descending order of the gross.

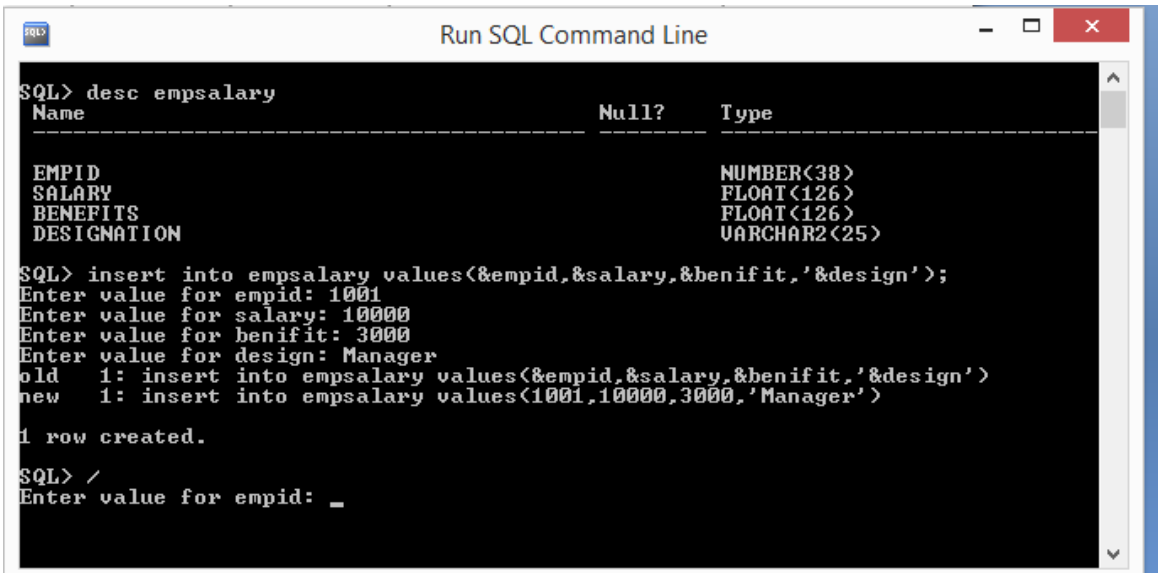
CREATING EMPLOYEE AND EMP SAL TABLES

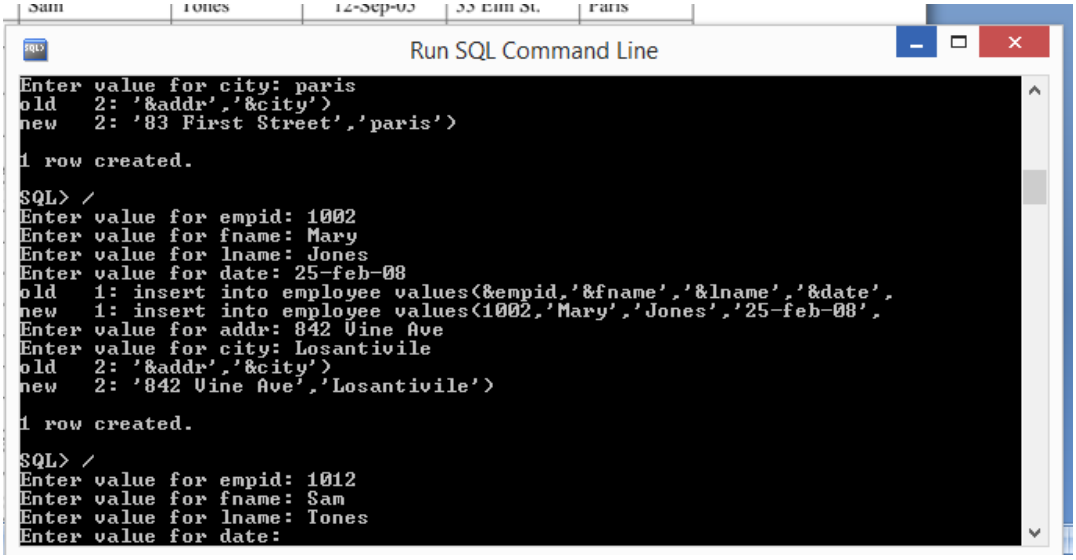




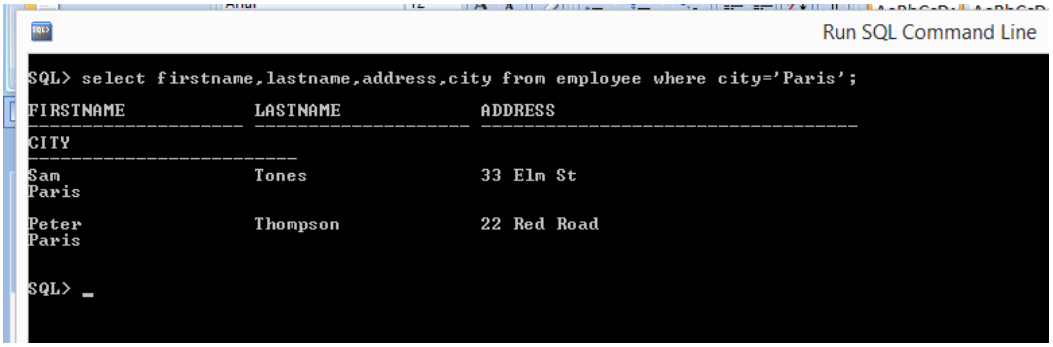
INSERTING RECORDS IN EMPLOYEE TABLE



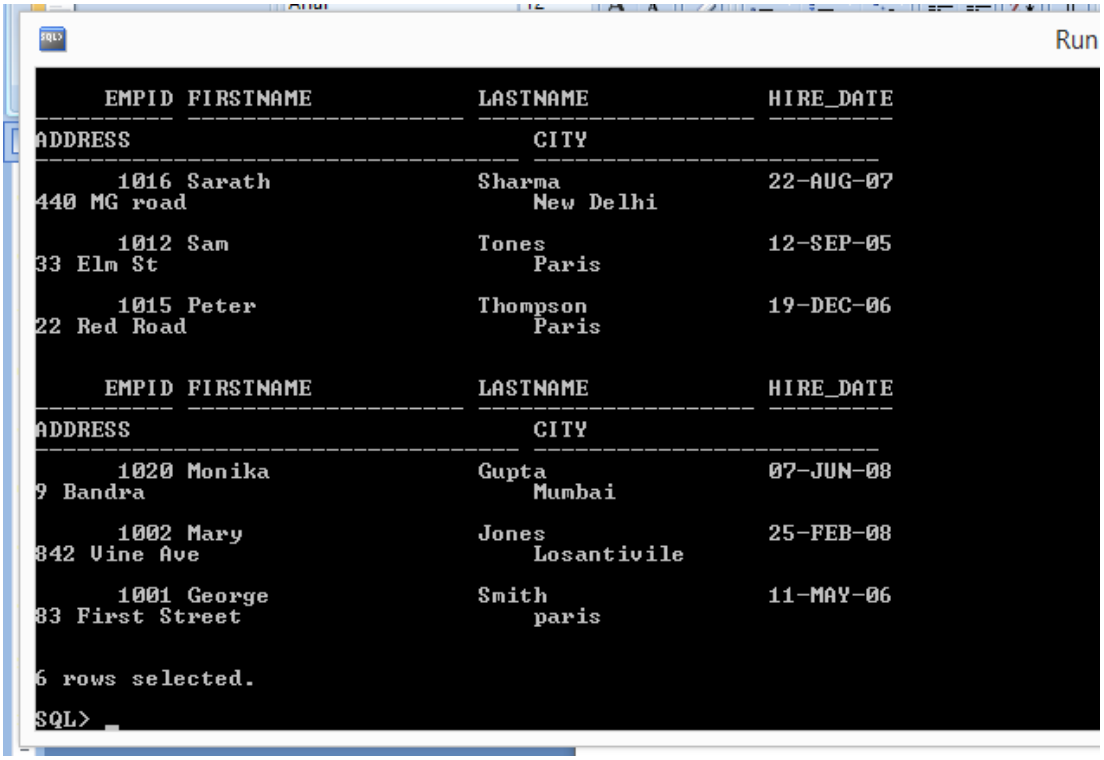

Run SQL Command Line
SQL> desc empsalary
Name Null? Type
EMPID NUMBER(38)
SALARY FLOAT(126)
BENEFITS FLOAT(126)
DESIGNATION VARCHAR2(25)
SQL> insert into empsalary values(&empid,&salary,&benifit,'&design');
Enter value for empid: 1001
Enter value for salary: 10000
Enter value for benifit: 3000
Enter value for design: Manager
old 1: insert into empsalary values(&empid,&salary,&benifit,'&design')
new 1: insert into empsalary values(1001,10000,3000,'Manager')
1 row created.
SQL> /
Enter value for empid:


Run SQL Command Line
Enter value for city: paris
old 2: '&addr','&city')
new 2: '83 First Street','paris')
1 row created.
SQL> /
Enter value for empid: 1002
Enter value for fname: Mary
Enter value for lname: Jones
Enter value for date: 25-feb-08
old 1: insert into employee values(&empid,'&fname','&lname','&date',
new 1: insert into employee values(1002,'Mary','Jones','25-feb-08',
Enter value for addr: 842 Vine Ave
Enter value for city: Losantivile
old 2: '&addr','&city')
new 2: '842 Vine Ave','Losantivile')
1 row created.
SQL> /
Enter value for empid: 1012
Enter value for fname: Sam
Enter value for lname: Tones
Enter value for date:

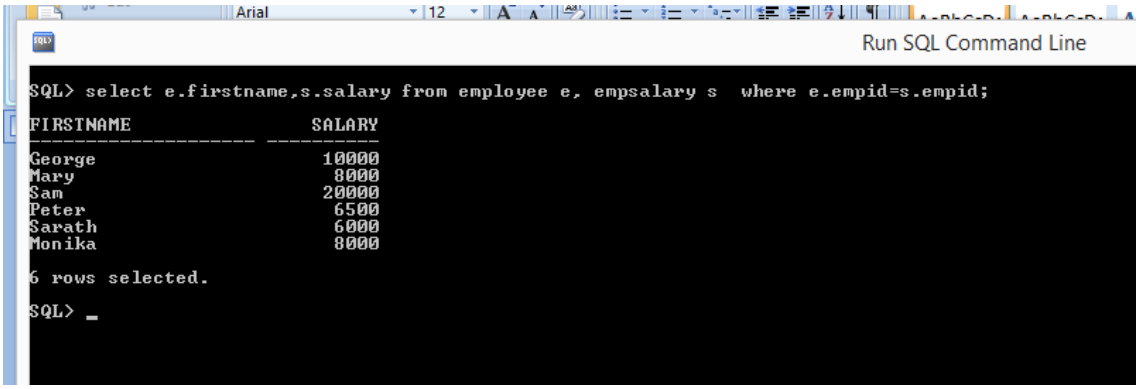
1. **TO DISPLAY FIRSTNAME, LASTNAME, ADDRESS AND CITY OF ALL EMPLOYEES LIVING IN PARIS.**



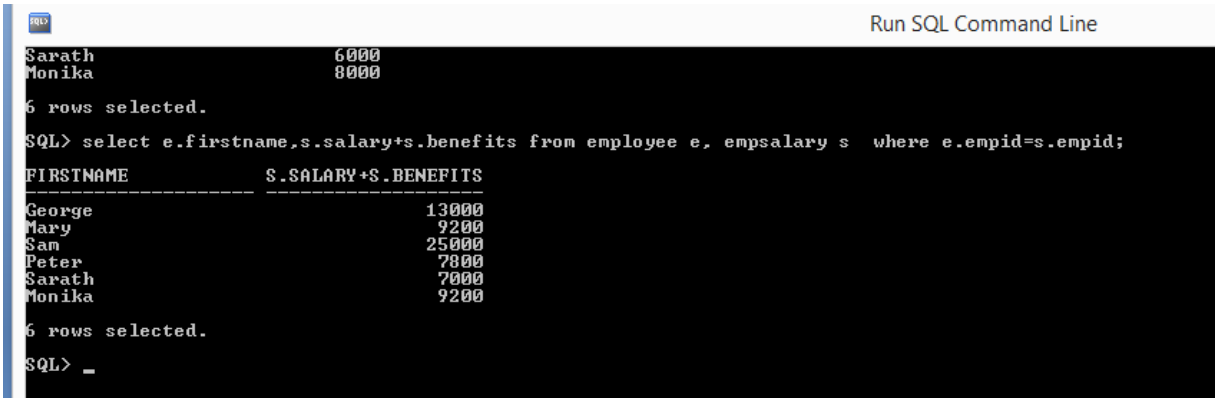
2. **TO DISPLAY THE CONTENT OF EMPLOYEE TABLE IN DESCENDING ORDER OF FIRSTNAME.**



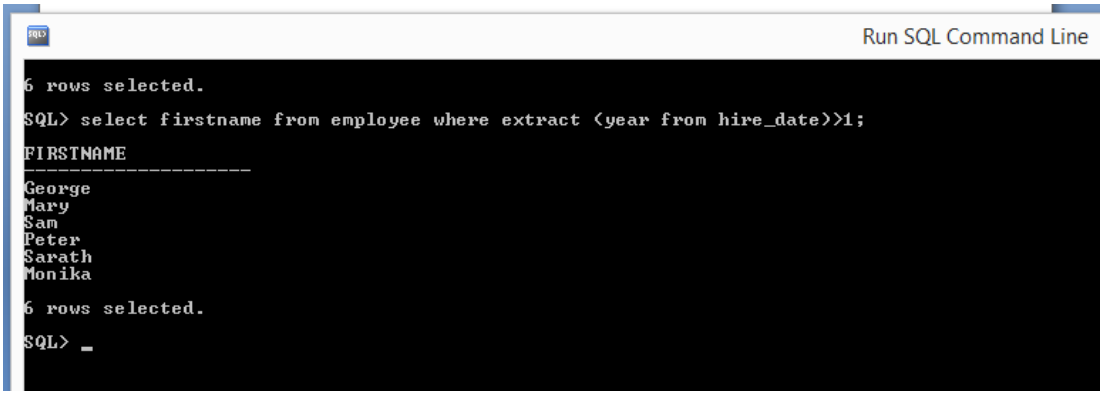
3. SELECT FIRSTNAME AND SALARY OF SALESMAN



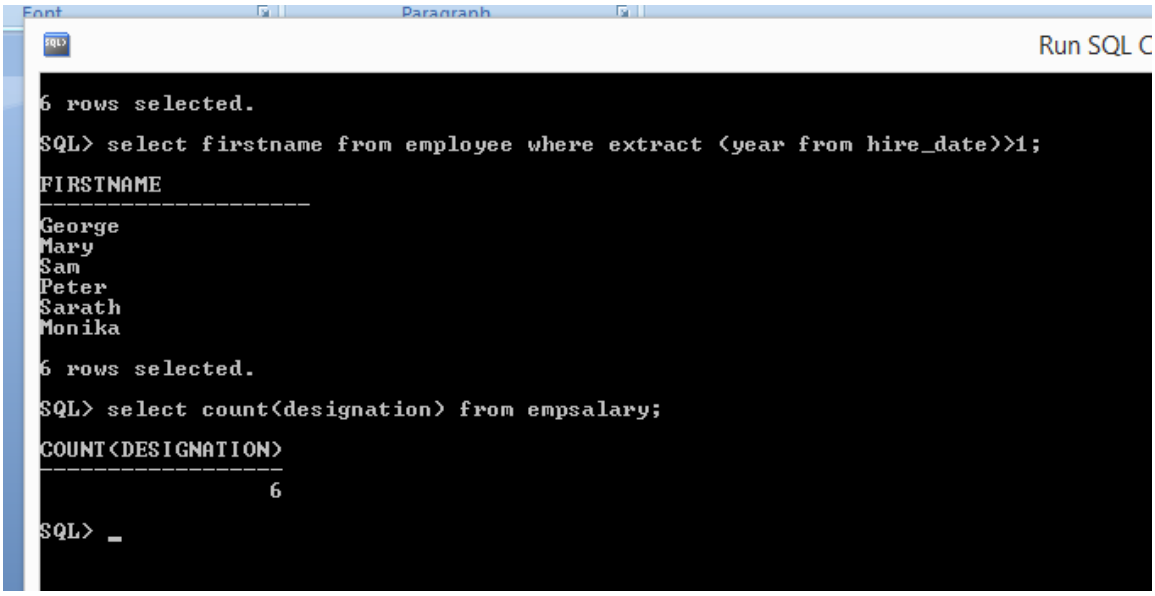
4. TO DISPLAY THE FIRSTNAME,LASTNAME, AND TOTAL SALARY OF ALL EMPLOYEES FROM THE TABLE EMPLOYEE AND EMPSALARY. WHERE TOTAL SALARY IS CALCULATED AS SALARY+BENEFITS.



5. LIST THE NAMES OF EMPLOYEES, WHO ARE MORE THAN 1 YEAR OLD IN THE ORGANIZATION

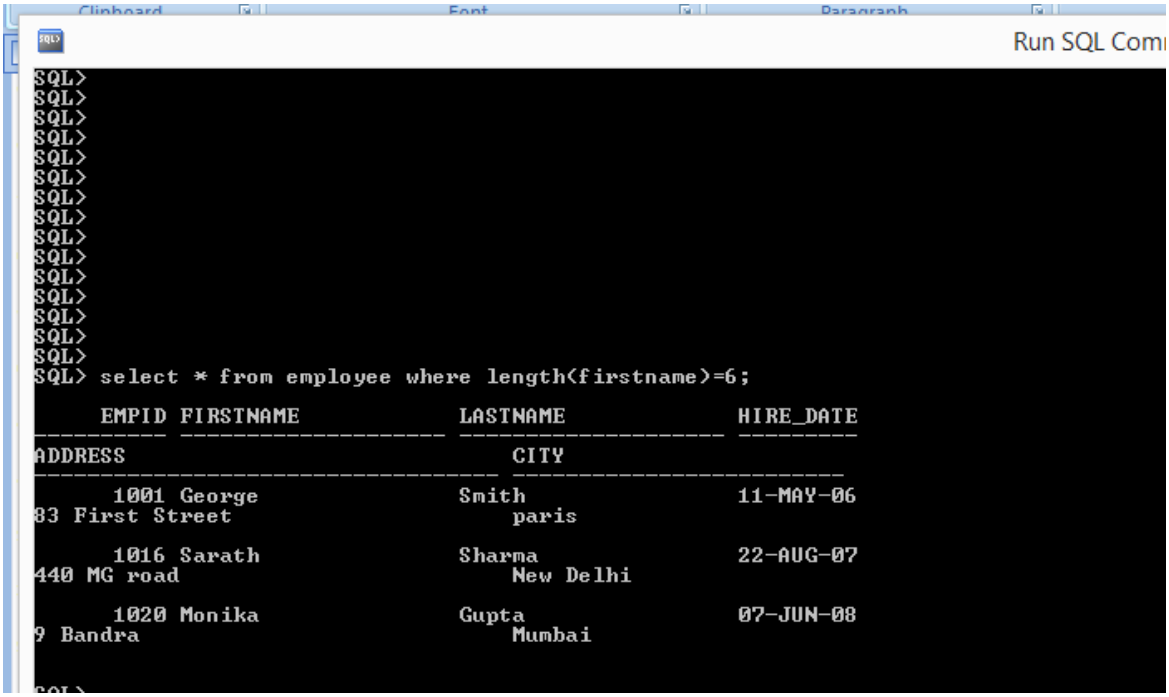


6. COUNT NUMBER OF DISTINCT DESINGATION FROM EMPSALARY



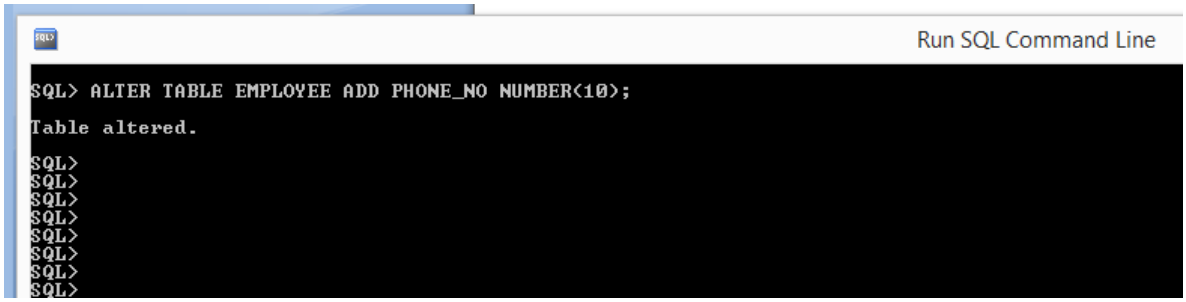
```
6 rows selected.

SQL> select firstname from employee where extract (year from hire_date)>1;

FIRSTNAME
--------------------
George
Mary
Sam
Peter
Sarath
Monika

6 rows selected.

SQL> select count(designation) from empsalary;

COUNT(DESIGNATION)
------------------
                 6

SQL>
```

7. LIST THE EMPLOYEE WHOSE NAME HAS EXACTLY 6 CHARACTERS.

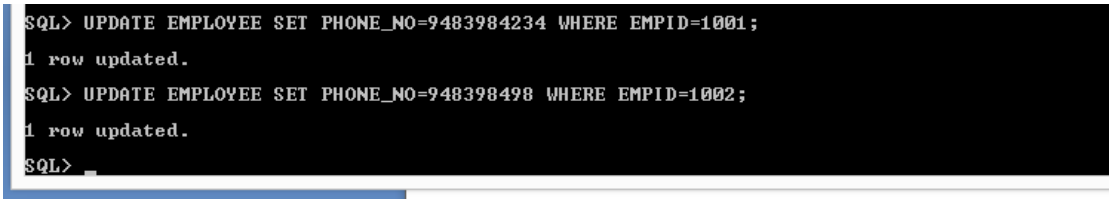


```
SQL> select * from employee where length(firstname)=6;

     EMPID FIRSTNAME            LASTNAME             HIRE_DATE
---------- -------------------- -------------------- ---------
ADDRESS                            CITY
---------------------------------- -------------------------
      1001 George                Smith                11-MAY-06
83 First Street                    paris

      1016 Sarath                Sharma               22-AUG-07
440 MG road                        New Delhi

      1020 Monika                Gupta                07-JUN-08
9 Bandra                           Mumbai
```

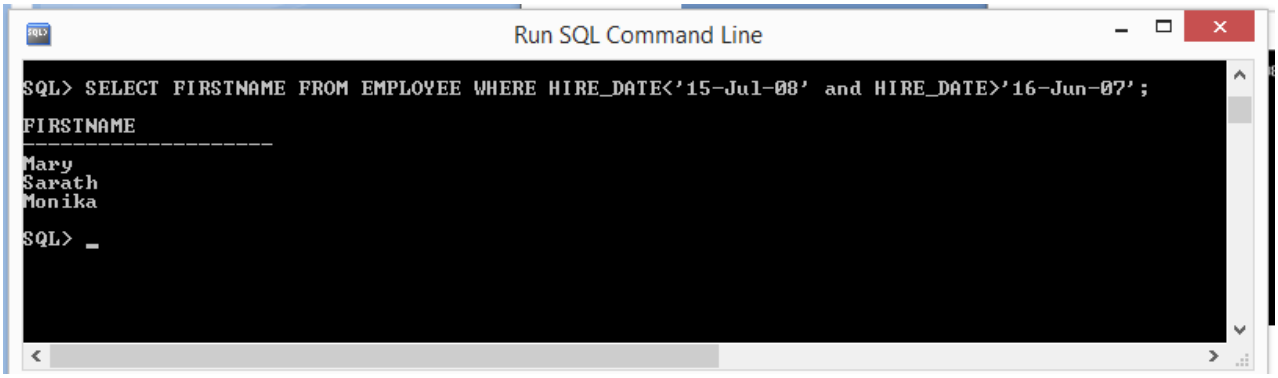
8. ADD NEW COLUMN PHONE_NO TO EMPLOYEE AND UPDATE THE RECORDS.



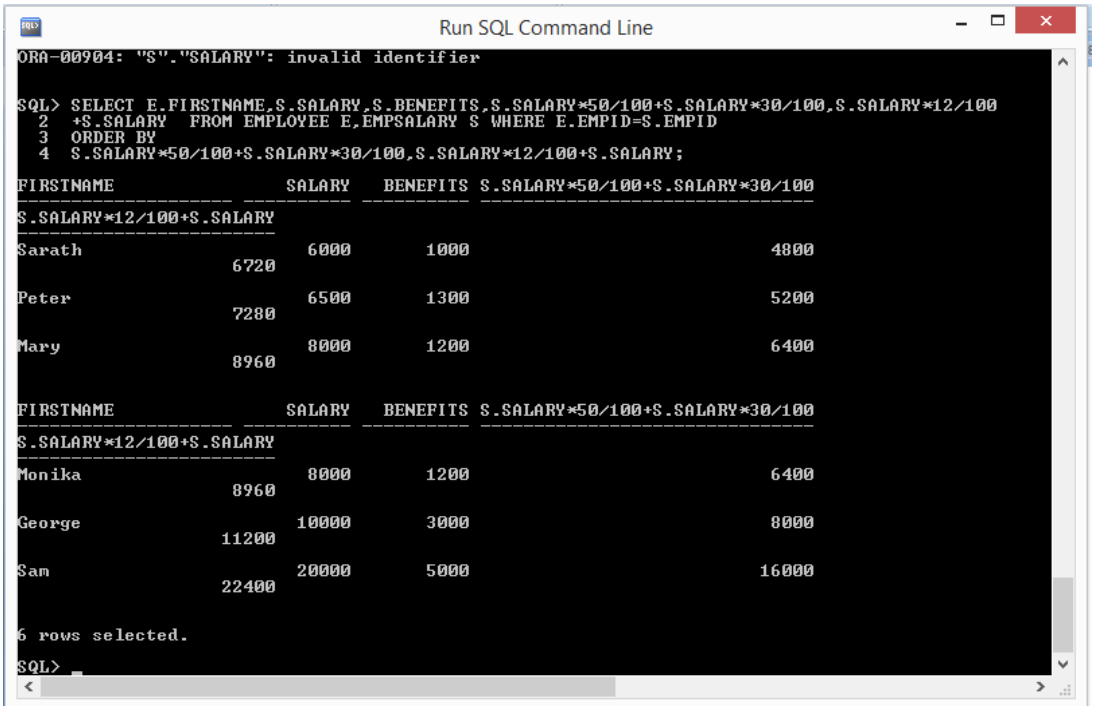
UPDATING RECORDS:



9. LIST EMPLOYEE NAMES, WHO HAVE JOINED BEFORE 15-JU-08 AND AFTER 16-JUN-07.



10. GENERATE SALARY SLIP WITH NAME, SALARY, BENEFITS, HRA-50%, DA-30%, PF-12%, CALCULATE GROSS, ORDER THE RESULT IN DESCENDING ORDER OF GROSS.



Activity 3: (Logical, Relational Operators)

Database: Library
Create Following **tables** and insert **tuples** with suitable constraints

Table: Books

Book_Id	Book_name	Author_Name	Publishers	Price	Type	Quantity
C0001	The Klone and I	Lata Kappor	EPP	355	Novel	5
F0001	The Tears	William Hopkins	First Publ	650	Fiction	20
T0001	My First C++	Brain & Brooke	ERP	350	Text	10
T0002	C++ Brainworks	A.W.Rossaine	TDH	350	Text	15
F0002	Thunderbolts	Ana Roberts	First Publ.	750	Fiction	50

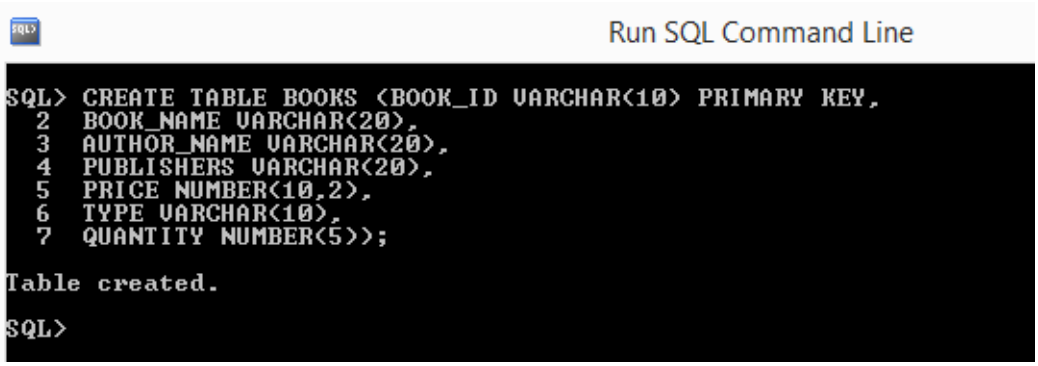
Table : Issued

Book_Id	Quantity_Issued
T0001	4
C0001	5
F0001	2
T0002	5
F0002	8

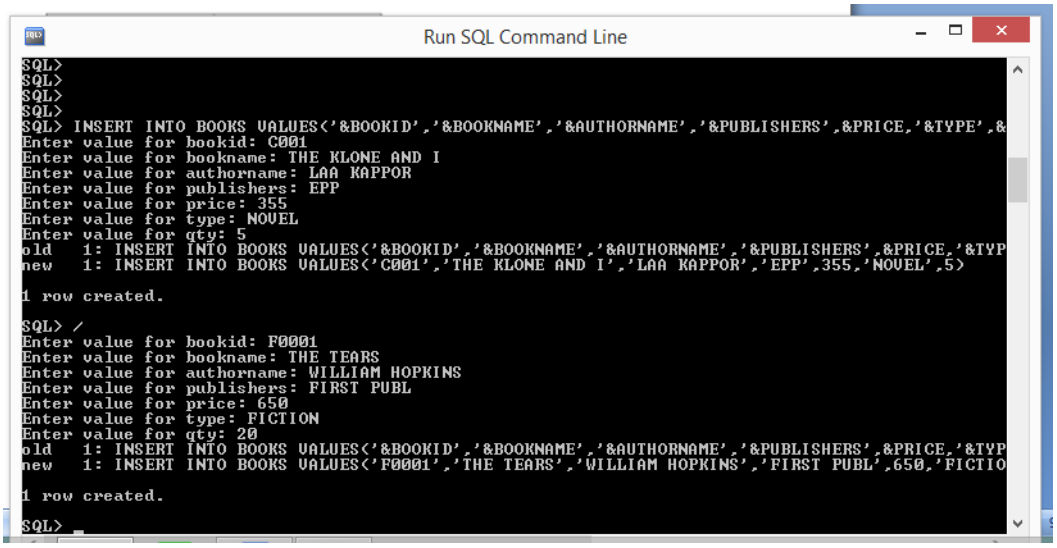
Write queries for the following

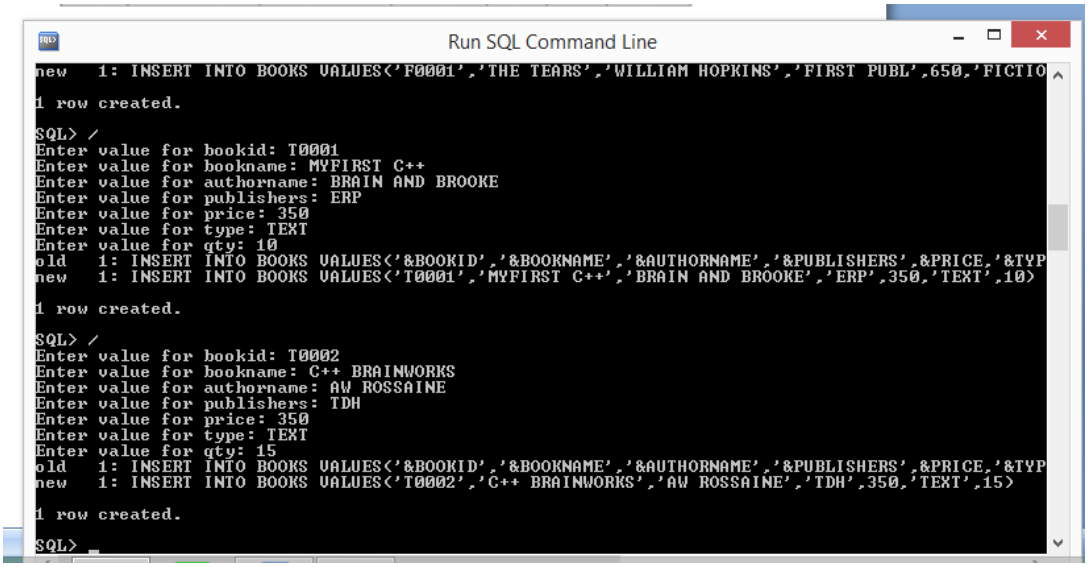
1. To show Book name, Author name and price of books of **First Publ**. publisher
2. Display Book id, Book name and publisher of books having quantity more than 8 and price less than 500
3. Select Book id, book name, author name of books which is published by other than ERP publishers and price between 300 to 700
4. Generate a Bill with Book_id, Book_name, Publisher, Price, Quantity, 4% of VAT –Total"
5. Display book details with book id's C0001, F0001, T0002, F0002 (Hint: use IN operator)
6. Display Book list other than, type Novel and Fiction
7. Display book details with author name starts with letter _A'
8. Display book details with author name starts with letter _T' and ends with _S'
9. Select BookId, BookName, Author Name , Quantity Issued where Books.BooksId = Issued.BookId
10. List the book_name, Author_name, Price. In ascending order of Book_name and then on descending order of price

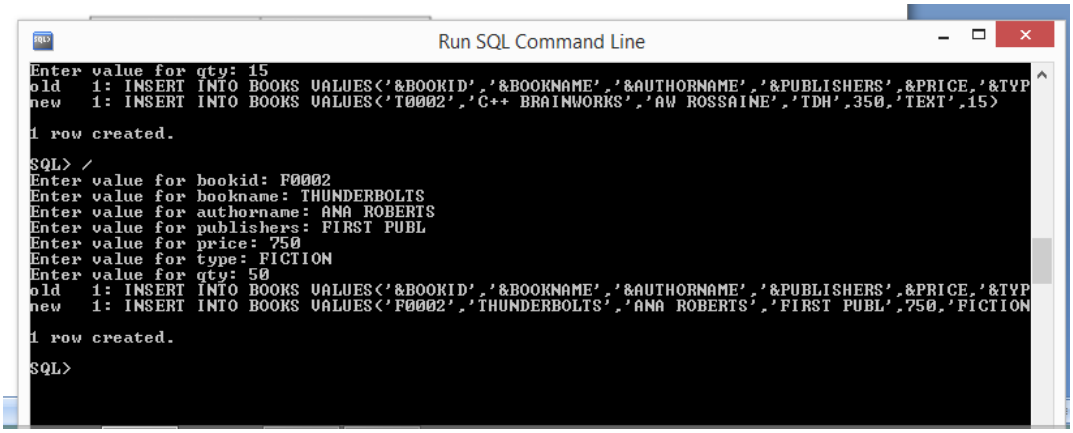
CREATING TABLE BOOKS



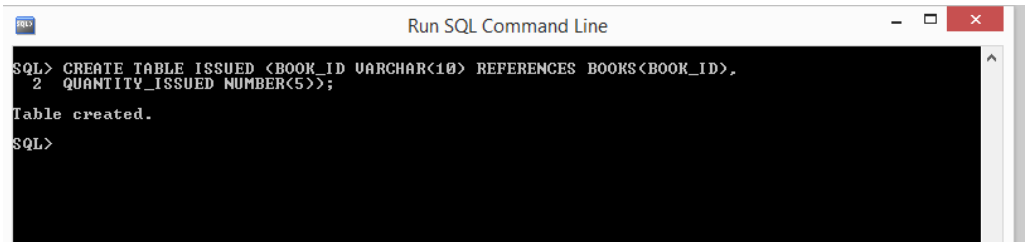
INSERTING RECORDS IN BOOKS TABLE



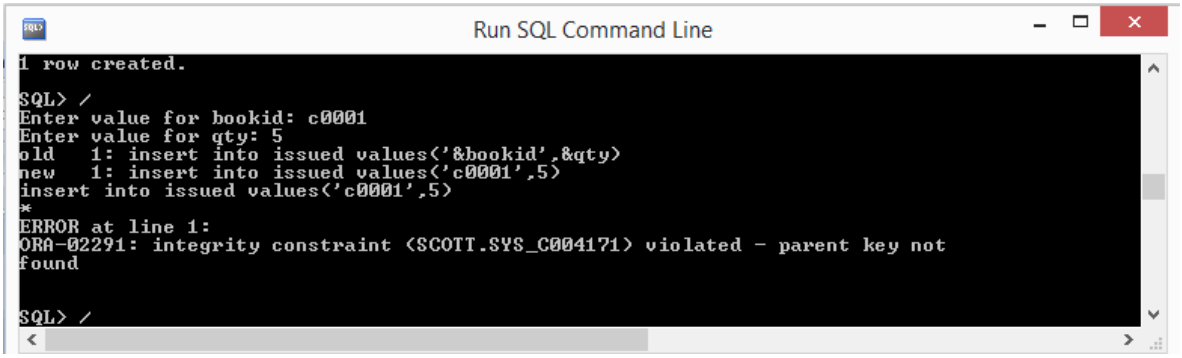




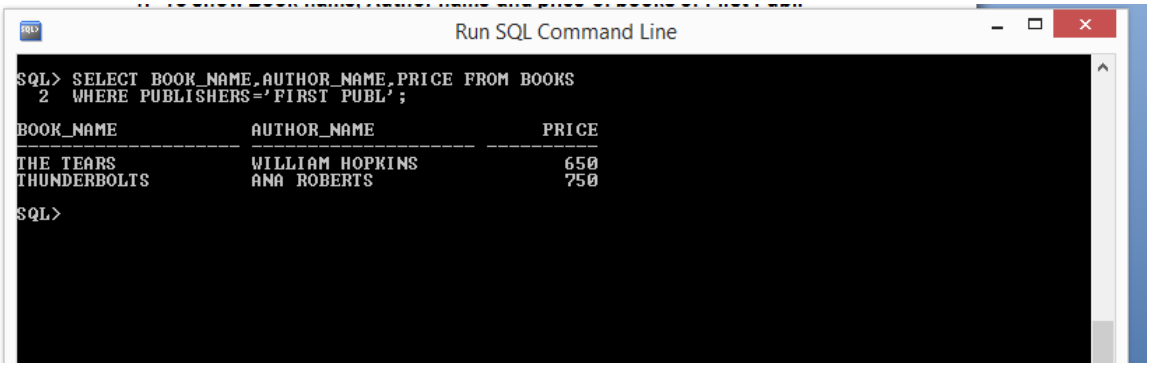
CREATING TABLE: ISSUED.



INSERTING RECORDS IN ISSUE TABLE

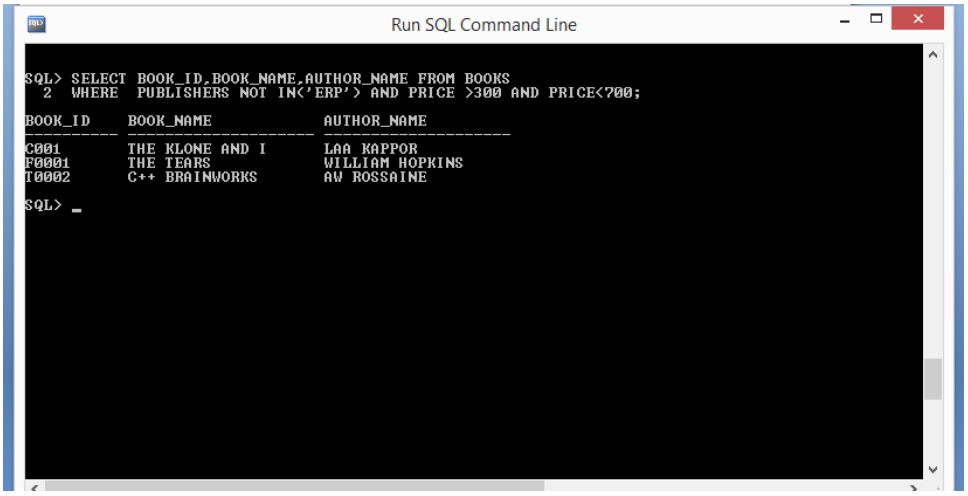


1. **TO SHOW BOOK NAME, AUTHOR NAME AND PRICE OF BOOKS OF FIRST PUBL. PUBLISHER**

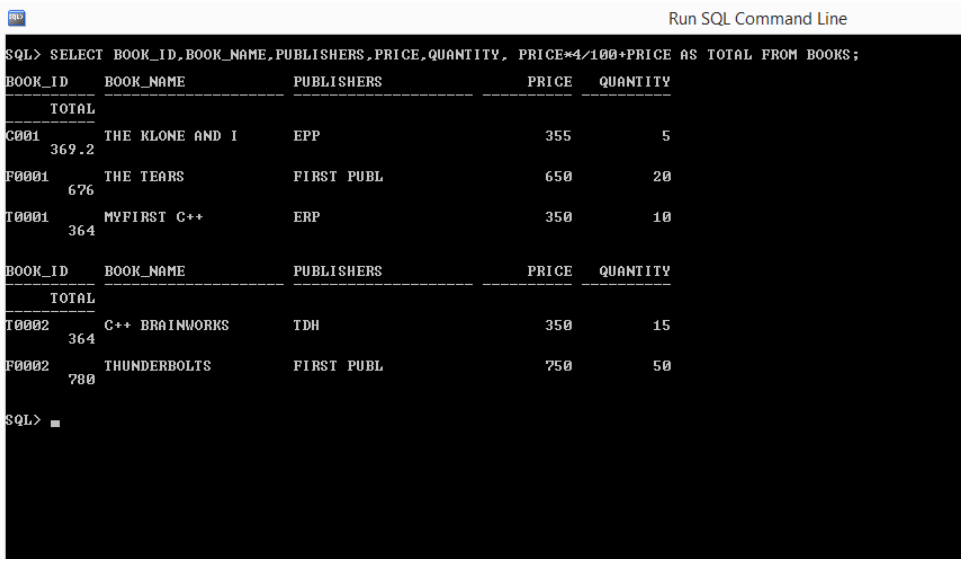


2. **DISPLAY BOOK ID, BOOK NAME AND PUBLISHER OF BOOKS HAVING QUANTITY MORE THAN 8 AND PRICE LESS THAN 500**

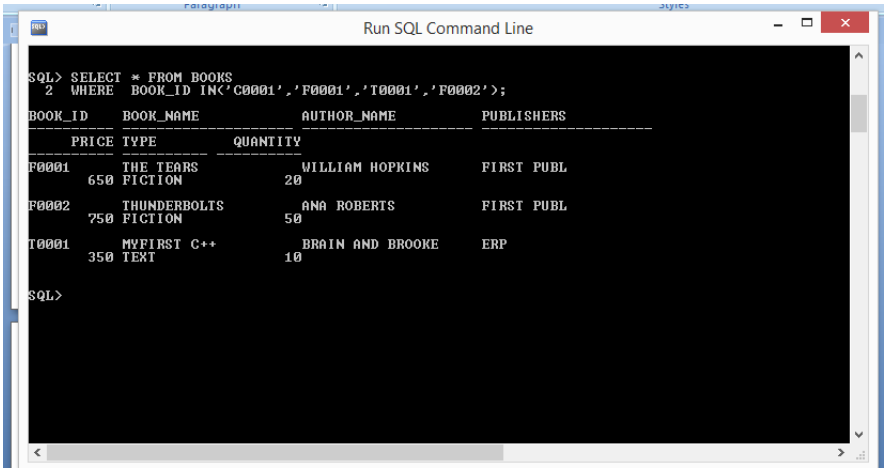
3. **SELECT BOOK ID, BOOK NAME, AUTHOR NAME OF BOOKS WHICH IS PUBLISHED BY OTHER THAN ERP PUBLISHERS AND PRICE BETWEEN 300 TO 700.**



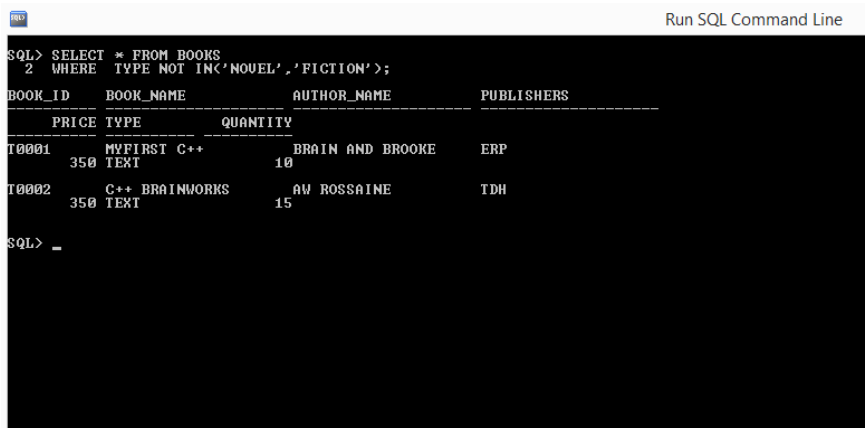
4. **GENERATE A BILL WITH BOOK_ID, BOOK_NAME, PUBLISHER, PRICE, QUANTITY, 4% OF VAT —TOTAL‖**



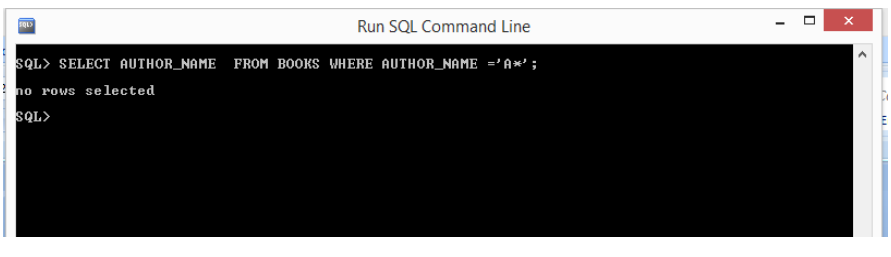
5. **DISPLAY BOOK DETAILS WITH BOOK ID'S C0001, F0001, T0002, F0002 (HINT: USE IN OPERATOR)**



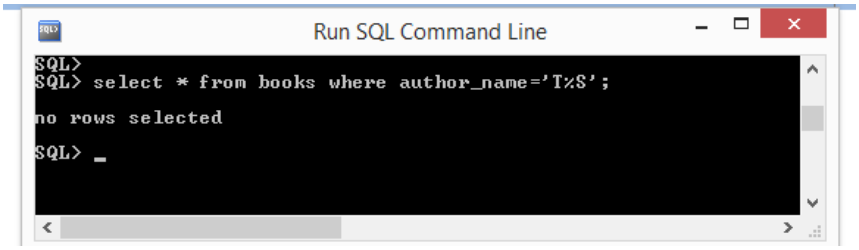
6. **DISPLAY BOOK LIST OTHER THAN, TYPE NOVEL AND FICTION**



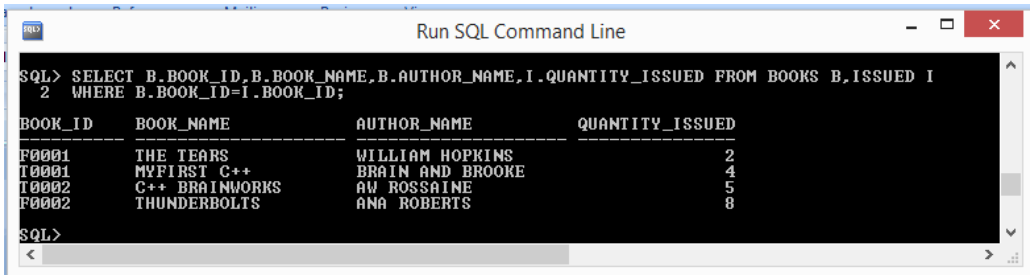
7. **DISPLAY BOOK DETAILS WITH AUTHOR NAME STARTS WITH LETTER _A'**



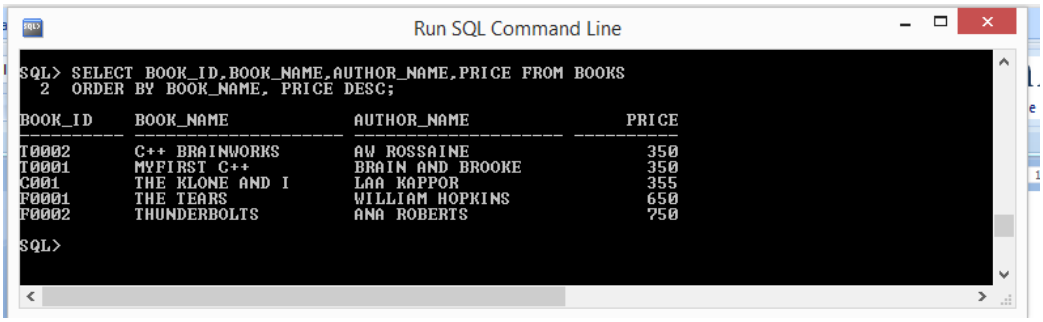
8. **DISPLAY BOOK DETAILS WITH AUTHOR NAME STARTS WITH LETTER _T‘ AND ENDS WITH _S‘**



9. **SELECT BOOKID, BOOKNAME, AUTHOR NAME , QUANTITY ISSUED WHERE BOOKS.BOOKSID = ISSUED.BOOKID**



10. **LIST THE BOOK_NAME, AUTHOR_NAME, PRICE. IN ASCENDING ORDER OF BOOK_NAME AND THEN ON DESCENDING ORDER OF PRICE**



Activity 4: (Date Functions)
Database : Lab
Create Following **table** and insert **tuples** with suitable constraints

Table : Equipment_Details

No	ItemName	Costperitem	Quantity	Dateofpurchase	Warranty	Operational
1	Computer	30000	9	21/5/07	2	7
2	Printer	5000	3	21/5/06	4	2
3	Scanner	8000	1	29/8/08	3	1
4	Camera	7000	2	13/6/05	1	2
5	UPS	15000	5	21/5/08	1	4
6	Hub	8000	1	31/10/08	2	1
7	Plotter	25000	2	11/1/09	2	2

(Use date functions and aggregate functions)

1. To select the ItemName purchase after 31/10/07
2. Extend the warrenty of each item by 6 months
3. Display Itemname , Dateof purchase and number of months between purchase date and present date
4. To list the ItemName in ascending order of the date of purchase where quantity is more than 3.
5. To count the number, average of costperitem of items purchased before 1/1/08
6. To display the minimum warranty , maximum warrenty period
7. To Display the day of the date , month , year of purchase in characters
8. To round of the warranty period to month and year format.
9. To display the next Sunday from the date '07-JUN-96'
10. To list the ItemNaName, which are within the warranty period till present date

TABLE CREATION – EQUIPMENT DETAILS

price between 300 to 700

Run SQL Command Line

```
SQL>
SQL> CREATE TABLE EQUIPMENT_DETAILS
  2  (NO INT PRIMARY KEY,ITEMNAME VARCHAR2(20),COSTPERITEM NUMBER(12,2),QTY INT,
  3  DATEOFPURCHASE DATE,WARRANTY INT,
  4  OPERATIONAL INT);

Table created.

SQL> _
```

INSERTING RECORDS IN EQUIPMENT DETAILS

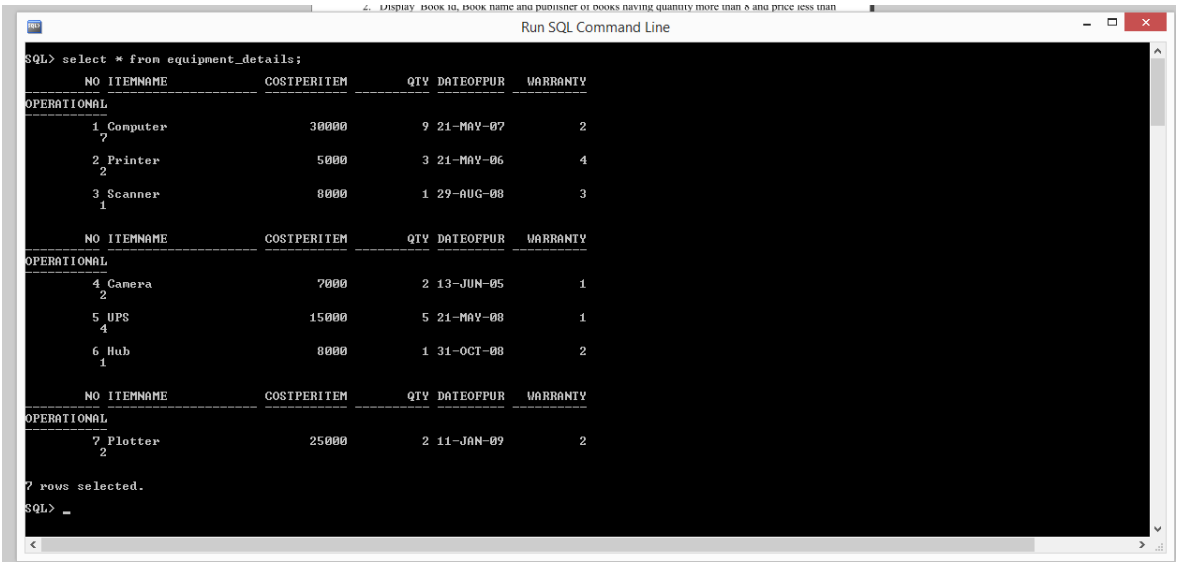
Run SQL Command Line

```
Enter value for itemname: Computer
Enter value for cost: 30000
Enter value for qty: 9
Enter value for date: 21-may-2007
Enter value for waranty: 2
Enter value for oper: 7
old   1: INSERT INTO EQUIPMENT_DETAILS VALUES(&NO,'&ITEMNAME',&COST,&QTY,'&DATE',&WARANTY,&OP
new   1: INSERT INTO EQUIPMENT_DETAILS VALUES(1,'Computer',30000,9,'21-may-2007',2,7)

1 row created.

SQL> _
```

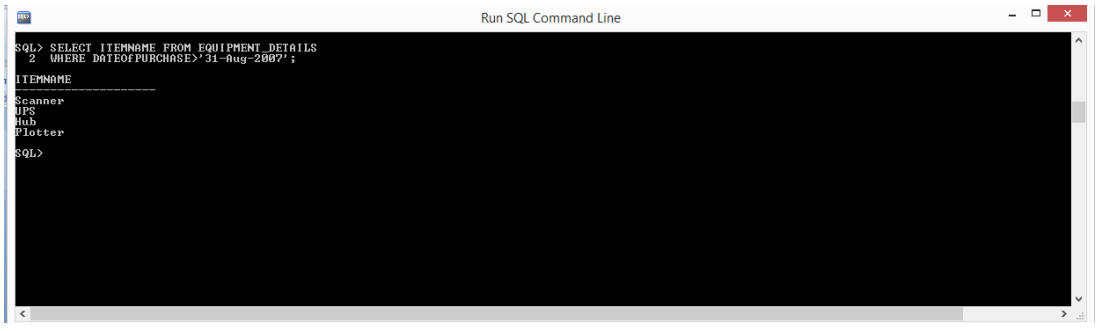
Create Following **table** and insert **tuples** with suitable constraints

AFTER INSERTING ALL RECORDS IN EQUIPMENT DETAILS TABLE

RECORDS IN TABLE ARE:

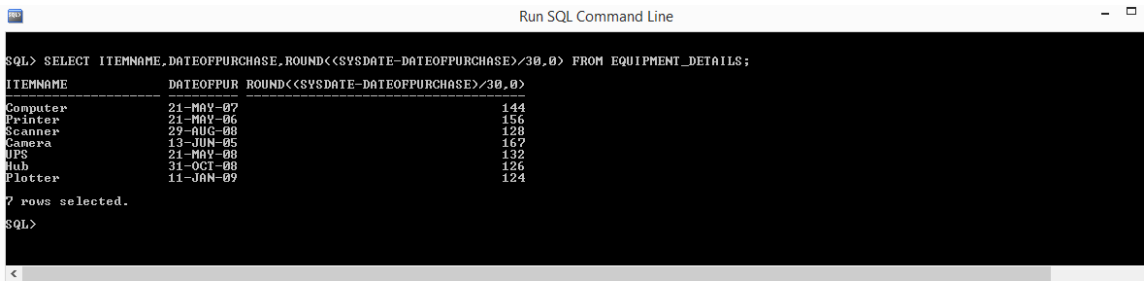


1. TO SELECT THE ITEMNAME PURCHASE AFTER 31/10/07

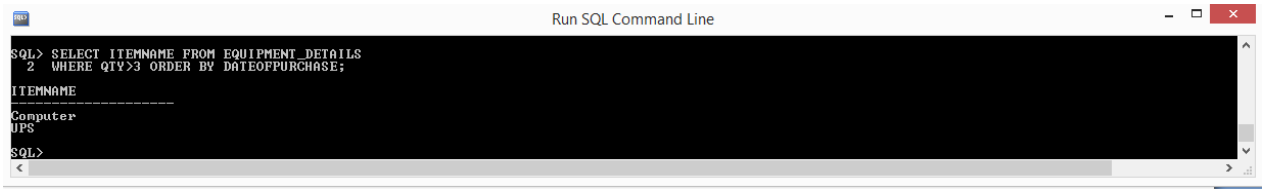


2. EXTEND THE WARRANTY OF EACH ITEM BY 6 MONTHS

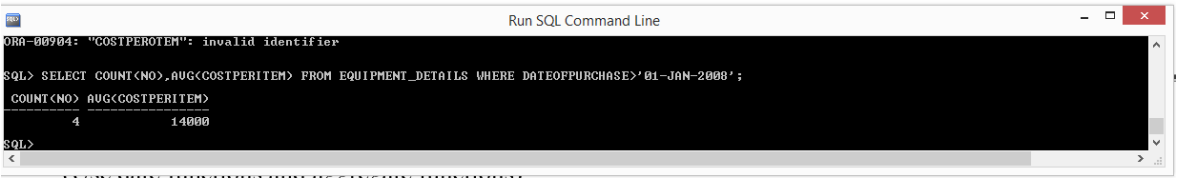
3. **DISPLAY ITEMNAME , DATEOF PURCHASE AND NUMBER OF MONTHS BETWEEN PURCHASE DATE AND PRESENT DATE**



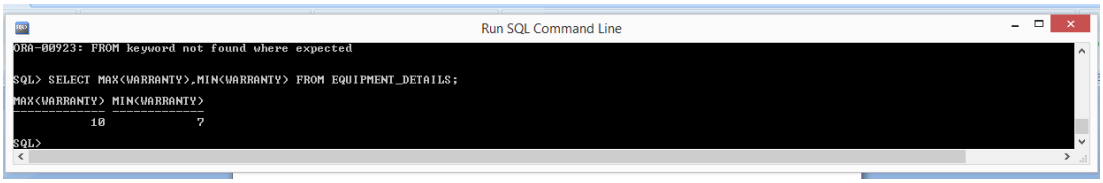
4. **TO LIST THE ITEMNAME IN ASCENDING ORDER OF THE DATE OF PURCHASE WHERE QUANTITY IS MORE THAN 3.**



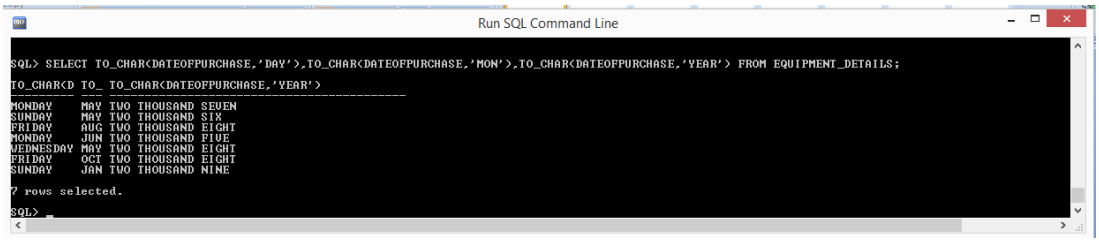
5. TO COUNT THE NUMBER, AVERAGE OF COSTPERITEM OF ITEMS PURCHASED BEFORE 1/1/08



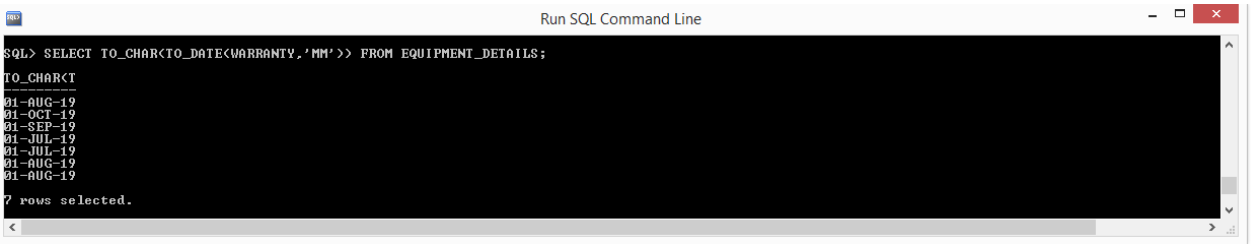
6. TO DISPLAY THE MINIMUM WARRANTY, MAXIMUM WARRANTY PERIOD



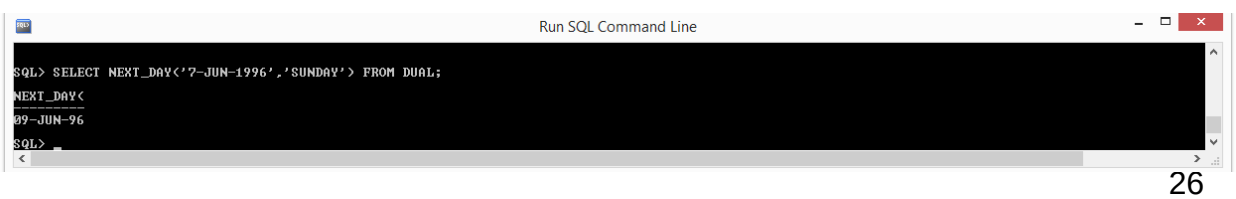
7. TO DISPLAY THE DAY OF THE DATE , MONTH , YEAR OF PURCHASE IN CHARACTERS.



8. TO ROUND OF THE WARRANTY PERIOD TO MONTH AND YEAR FORMAT.



9. TO DISPLAY THE NEXT SUNDAY FROM THE DATE '07-JUN-96'

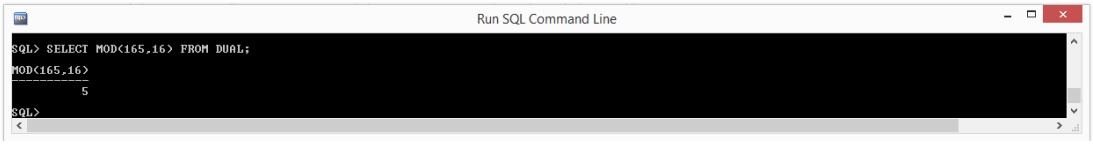


10. TO LIST THE ITEMNAME, WHICH ARE WITHIN THE WARRANTY PERIOD TILL PRESENT DATE

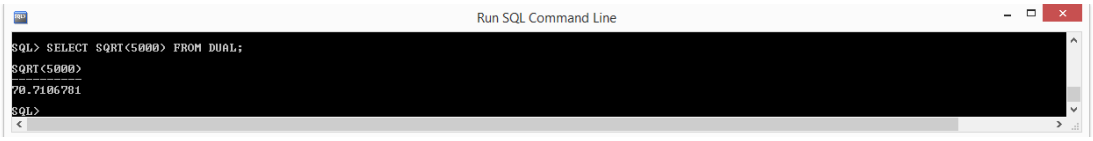
Activity 5: (Numeric, character functions)
Use Functions for the following

1. Find the mod of 165,16
2. Find Square Root of 5000
3. Truncate the value 128.3285 to 2 and -1 decimal places
4. Round the value 92.7683 to 2 and -1 decimal places
5. Convert the string _Department‘ to uppercase and lowercase
6. Display your address convert the first character of each word to uppercase and rest are in lowercase
7. Combine your first name and last name under the title Full name
8. A) Take a string length maximum of 15 display your name to the left. The remaining space should be filled with _*‘
9. Take a string length maximum of 20 display your name to the right. The remaining space should be filled with _#‘
10. Find the length of the string _JSS College, Mysore‘
11. Display substring _BASE‘ from _DATABASE‘
12. Display the position of the first occurrence of character _o‘ in Position and Length
13. Replace string Database with Datatype
14. Display the ASCII value of __(Space)
15. Display the Character equivalent of 42

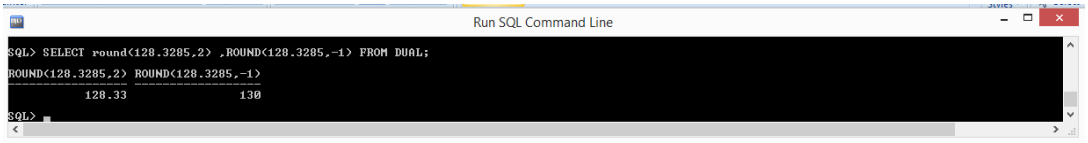
1. FIND THE MOD OF 165,16



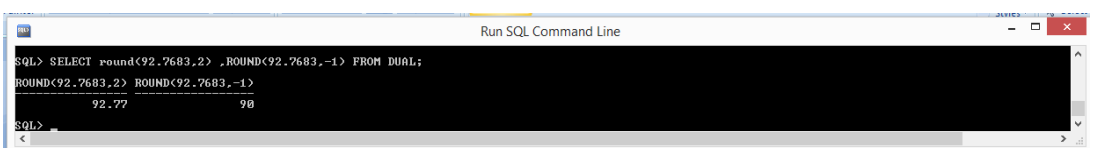
2. FIND SQUARE ROOT OF 5000



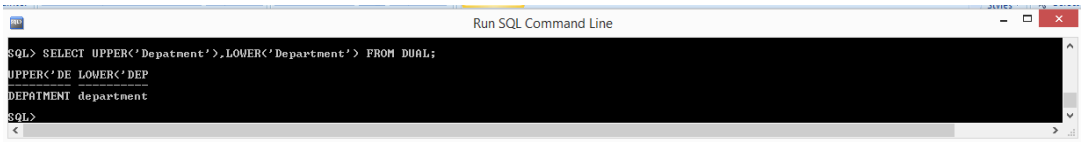
3. TRUNCATE THE VALUE 128.3285 TO 2 AND -1 DECIMAL PLACES



4. ROUND THE VALUE 92.7683 TO 2 AND -1 DECIMAL PLACES



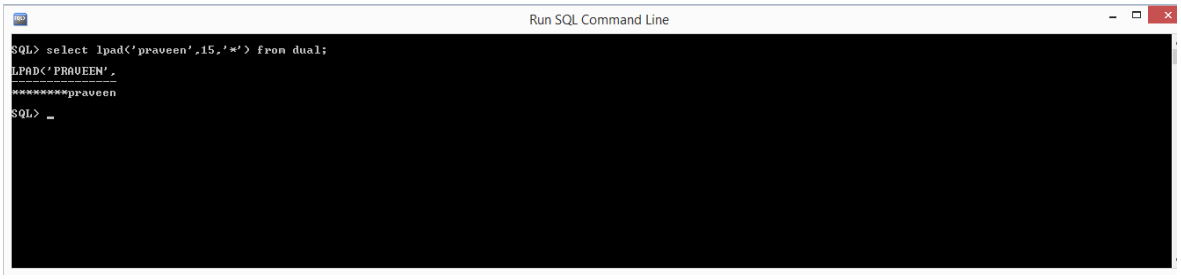
5. CONVERT THE STRING _DEPARTMENT‘ TO UPPERCASE AND LOWERCASE



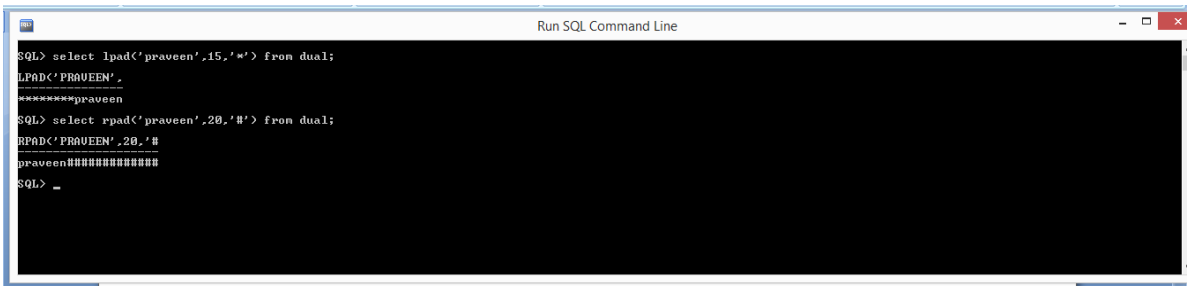
6. DISPLAY YOUR ADDRESS CONVERT THE FIRST CHARACTER OF EACH WORD TO UPPERCASE AND REST ARE IN LOWERCASE

7. COMBINE YOUR FIRST NAME AND LAST NAME UNDER THE TITLE FULL NAME

8. A) TAKE A STRING LENGTH MAXIMUM OF 15 DISPLAY YOUR NAME TO THE LEFT. THE REMAINING SPACE SHOULD BE FILLED WITH _*‘

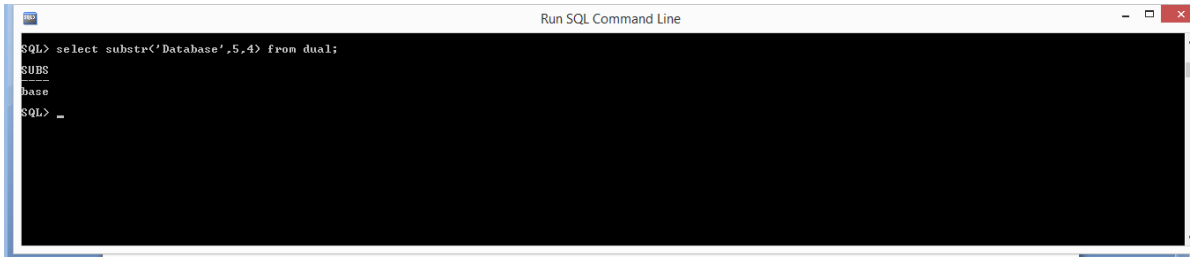


9. TAKE A STRING LENGTH MAXIMUM OF 20 DISPLAY YOUR NAME TO THE RIGHT. THE REMAINING SPACE SHOULD BE FILLED WITH _#‘

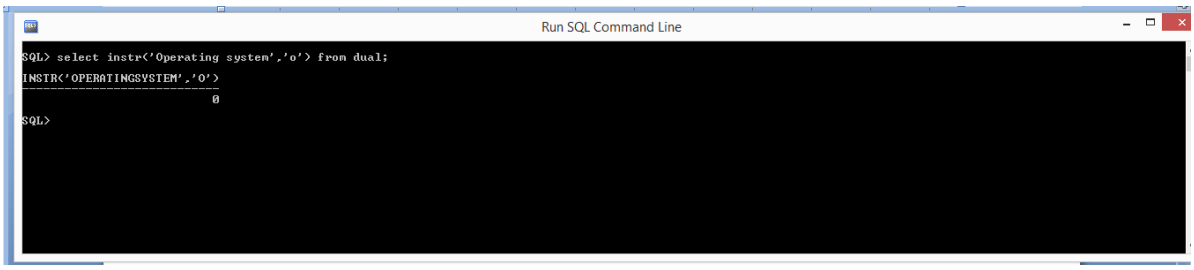


10. FIND THE LENGTH OF THE STRING _JSS COLLEGE, MYSORE‘

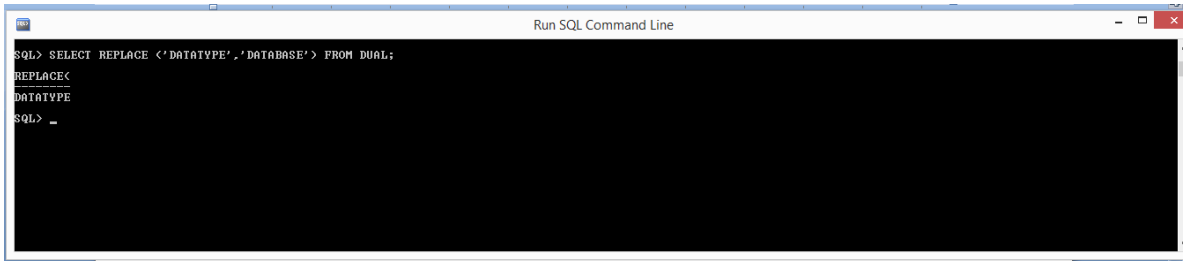
11. DISPLAY SUBSTRING _BASE‘ FROM _DATABASE‘



12. DISPLAY THE POSITION OF THE FIRST OCCURRENCE OF CHARACTER _O‘ IN POSITION AND LENGTH

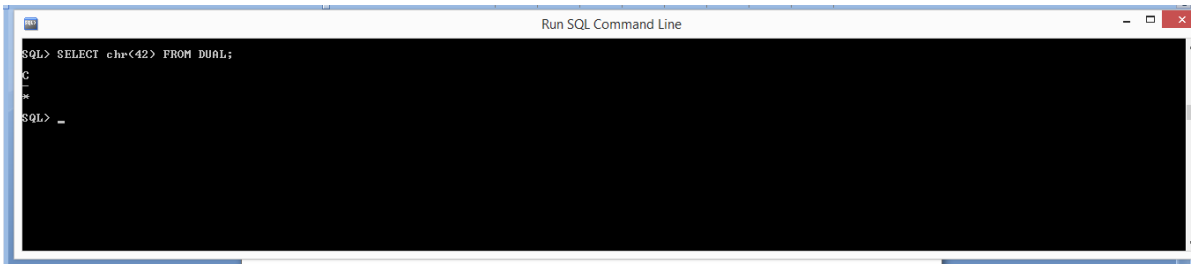


13. REPLACE STRING DATABASE WITH DATATYPE



14. DISPLAY THE ASCII VALUE OF _ _ (SPACE)

15. DISPLAY THE CHARACTER EQUIVALENT OF 42


Run SQL Command Line
SQL> SELECT chr(42) FROM DUAL;
C
-
*
SQL> _

Activity : 6 (set operators)
Database : subject
Create Following **table** and insert **tuples** with suitable constraints
Table - Physics

Regno	Name	Year	Combination
AJ00325	Ashwin	First	PCM
AJ00225	Swaroop	Second	PMCs
AJ00385	Sarika	Third	PME
AJ00388	Hamsa	First	PMCs

Table – Computer Science

Regno	Name	Year	Combination
AJ00225	Swaroop	Second	PMCs
AJ00296	Tajas	Second	BCA
AJ00112	Geetha	First	BCA
AJ00388	Hamsa	First	PMCs

1. Select all students from physics and Computer Science
2. Select student common in physics and Computer Science
3. Display all student details those are studying in second year
4. Display student those who are studying both physics and computer science in second year
5. Display the students studying only physics
6. Display the students studying only Computer Science
7. select all student having PMCs combination
8. select all student having BCA combination
9. select all student studying in Third year
10. Rename table Computer Science to CS

TABLE CREATION: PHYSICS TABLE

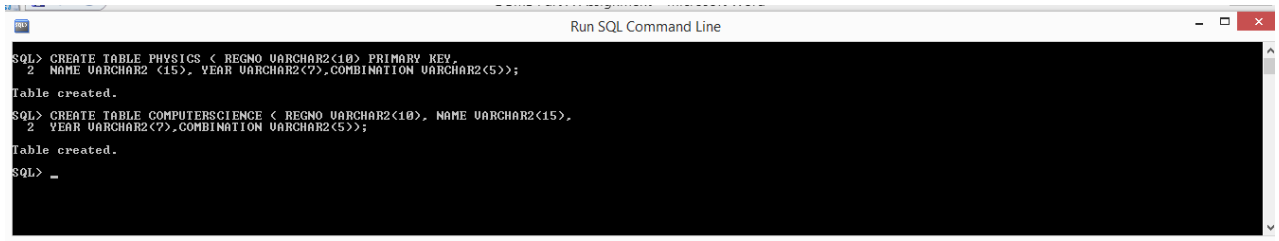
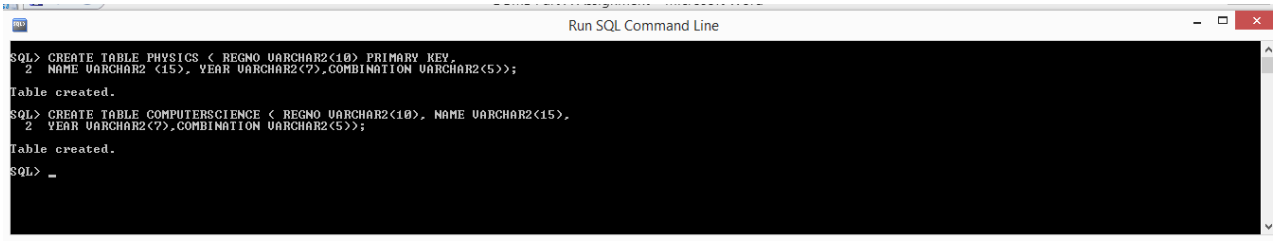
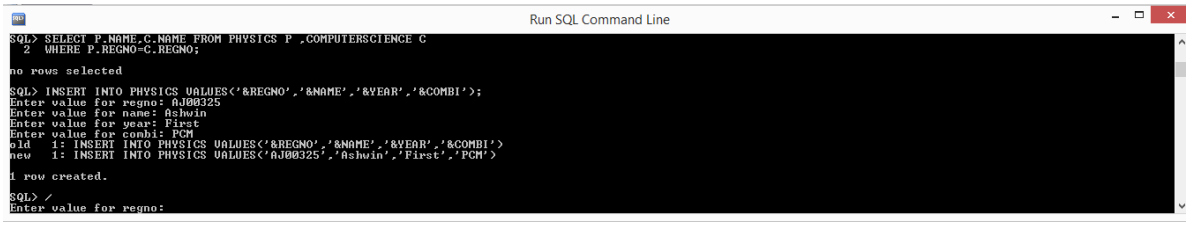


TABLE CREATION: COMPUTERSCIENCE TABLE

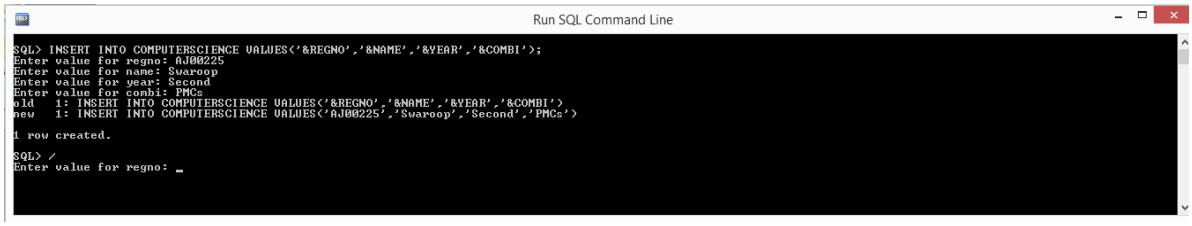


INSERTING RECORDS IN PHYSICS TABLE

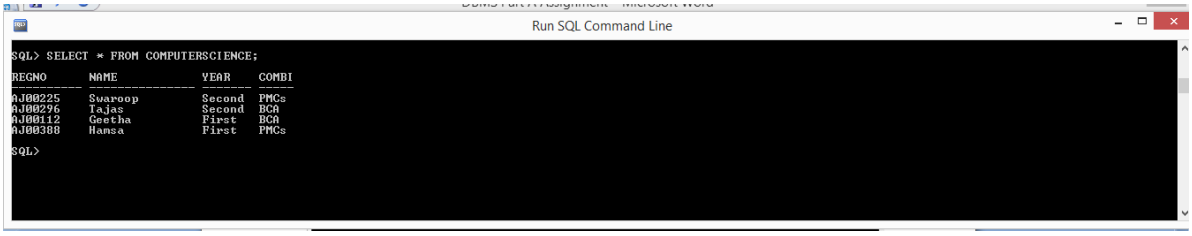


ALL RECORDS OF PHYSICS TABLE AFTER INSERTION

INSERTING RECORDS IN COMPUTER SCIENCE TABLE

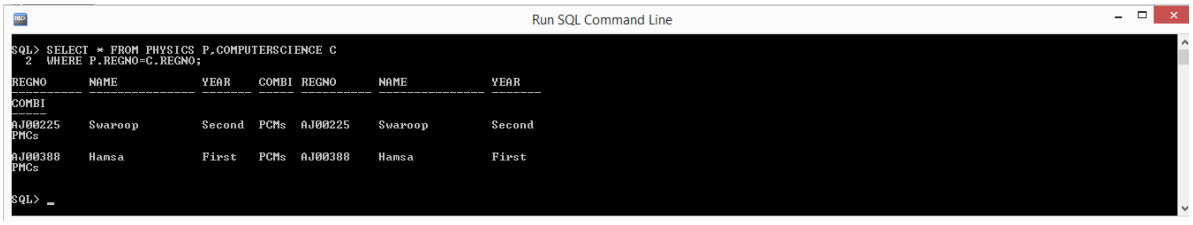


ALL RECORDS OF COMPUTERSCIENCE TABLE AFTER INSERTION

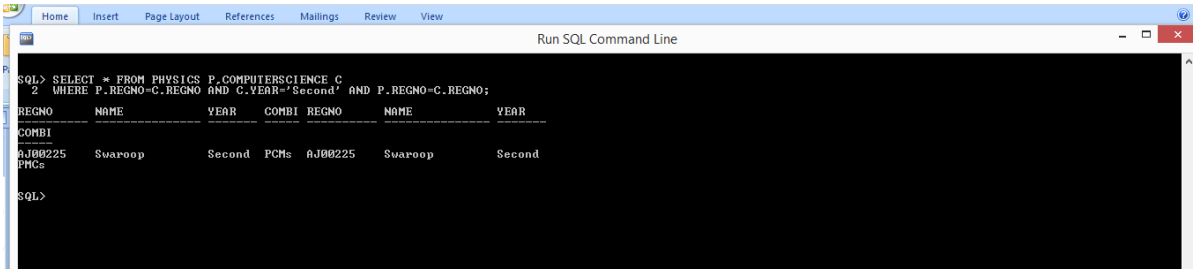


1. SELECT ALL STUDENTS FROM PHYSICS AND COMPUTER SCIENCE

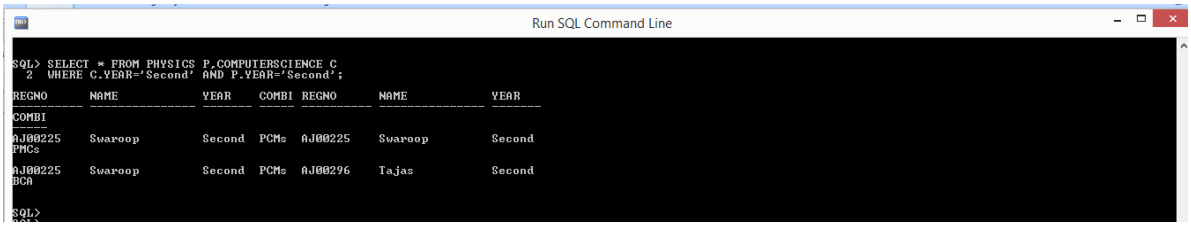
2. SELECT STUDENT COMMON IN PHYSICS AND COMPUTER SCIENCE



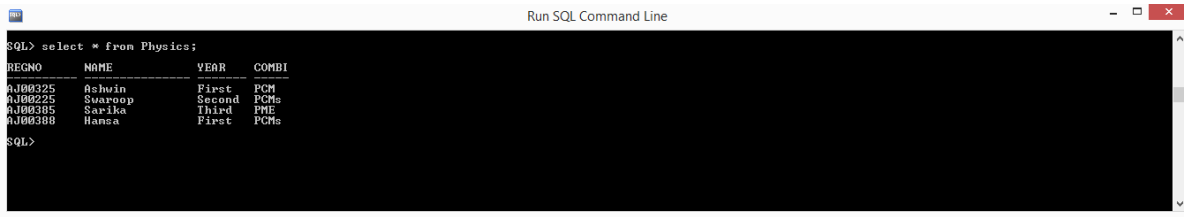
3. DISPLAY ALL STUDENT DETAILS THOSE ARE STUDYING IN SECOND YEAR



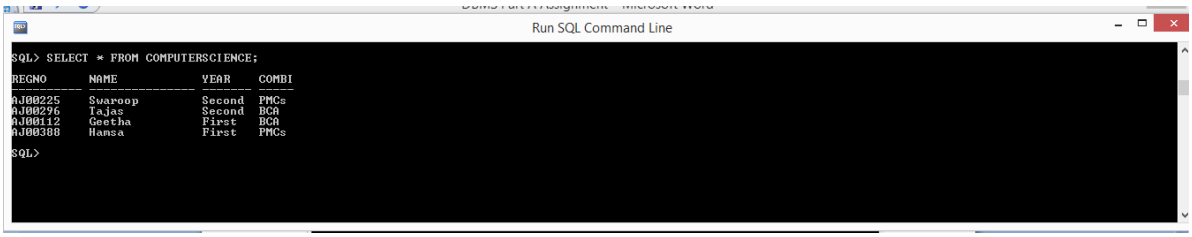
4. DISPLAY STUDENT THOSE WHO ARE STUDYING BOTH PHYSICS AND COMPUTER SCIENCE IN SECOND YEAR



5. DISPLAY THE STUDENTS STUDYING ONLY PHYSICS



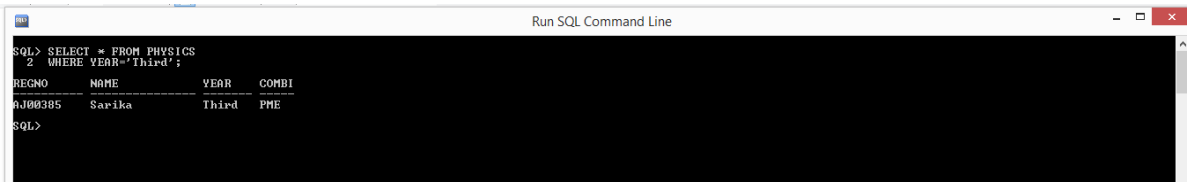
6. DISPLAY THE STUDENTS STUDYING ONLY COMPUTER SCIENCE



7. SELECT ALL STUDENT HAVING PMCS COMBINATION

8. SELECT ALL STUDENT HAVING BCA COMBINATION

9. SELECT ALL STUDENT STUDYING IN THIRD YEAR



10. RENAME TABLE COMPUTER SCIENCE TO CS

Activity 7: (views)
Database: Railway Reservation System
Create Following **table** and insert **tuples** with suitable constraints

Table: Train Details

Train_no	Train_name	Start_place	Destination
RJD16	Rajdhani Express	Bangalore	Mumbai
UDE04	Udhyan Express	Chennai	Hyderabad
KKE55	Karnataka Express	Bangalore	Chennai
CSE3	Shivaji Express	Coimbatore	Bangalore
JNS8	Janashatabdi	Bangalore	Salem

Table : Availability

Train_no	Class	Start_Place	Destination	No_of_seats
RJD16	Sleeper Class	Banglore	Mumbai	15
UDE04	First Class	Chennai	Hyderabad	22
KKE55	First Class AC	Bangalore	Chennai	15
CSE3	Second Class	Coimbatore	Bangalore	8
JNS8	Sleeper Class	Bangalore	Salem	18

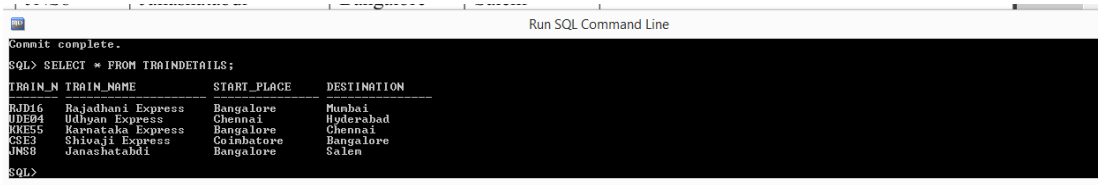
1. Create view **sleeper** to display train no, start place, destination which have sleeper class and perform the following
    a. insert new record
    b. update destination=‘Manglore‘ where train no=‘RJD16‘
    c. delete a record which have train no=‘KKE55‘
2. Create view **details** to display train no, train name, class
3. Create view **total_seats** to display train number, start place, use count function to no of seats , group by start place and perform the following
    a. insert new record
    b. update start place=‘Hubli‘ where train no=‘JNS8‘
    c. delete last row of the view
4. Rename view sleeper to class
5. Delete view details

TABLE CREATION: TRAINDETAILS

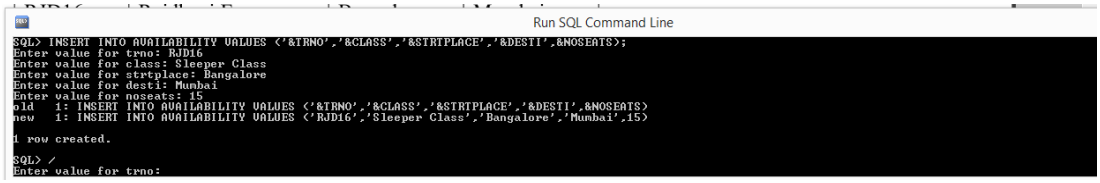
TABLE CREATION: AVAILABILITY

RECORD INSERTION : TRAINDETAILS TABLE

AFTER INSERTING ALL RECORDS IN TRAINDETAILS TABLE



INSERTING RECORDS IN AVAILABILITY TABLE



AFTER INSERTING ALL RECORDS IN AVAILABILITY TABLE

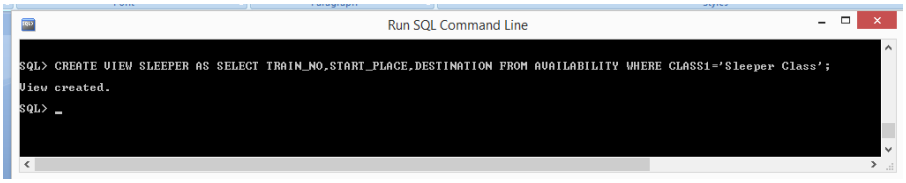
1. CREATE VIEW SLEEPER TO DISPLAY TRAIN NO, START PLACE, DESTINATION WHICH HAVE SLEEPER CLASS AND PERFORM THE FOLLOWING

A. INSERT NEW RECORD

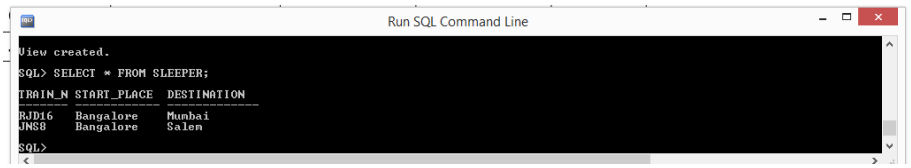
B. UPDATE DESTINATION=‘MANGLORE‘ WHERE TRAIN NO=‘RJD16‘

C. DELETE A RECORD WHICH HAVE TRAIN NO=‘KKE55‘

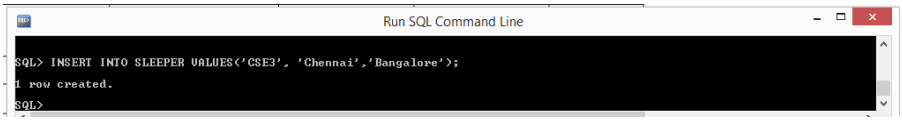
CREATING SLEEPER VIEW



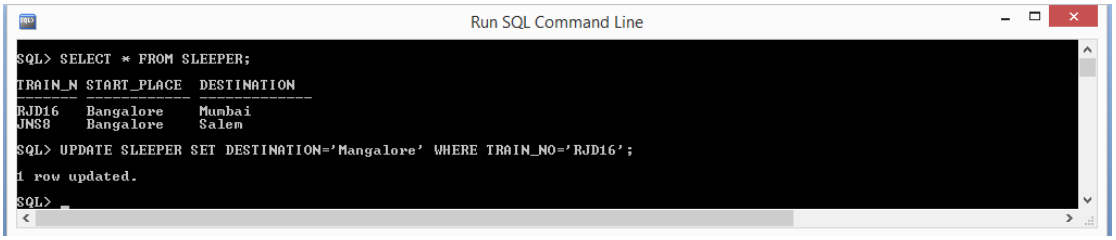
CONTENT OF SLEEPER VIEW



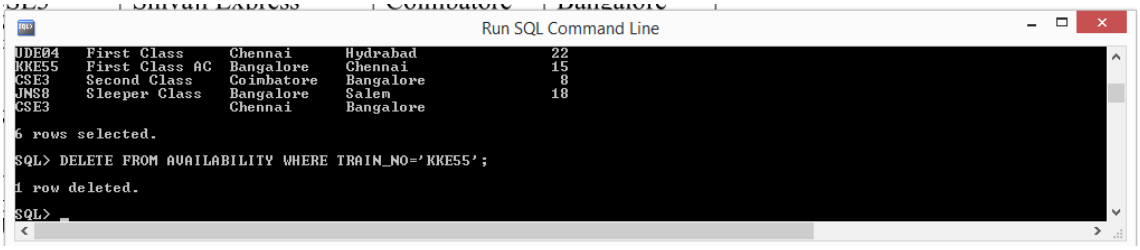
A. INSERT NEW RECORD



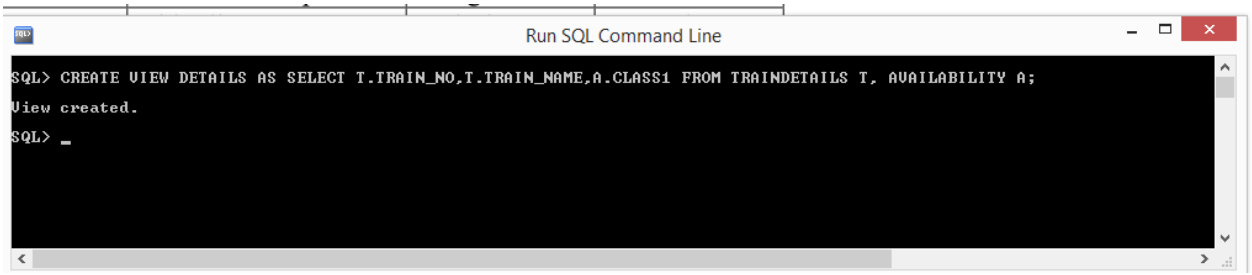
B. UPDATE DESTINATION='MANGLORE' WHERE TRAIN NO='RJD16'



C. DELETE A RECORD WHICH HAVE TRAIN NO='KKE55'



2. CREATE VIEW DETAILS TO DISPLAY TRAIN NO, TRAIN NAME, CLASS

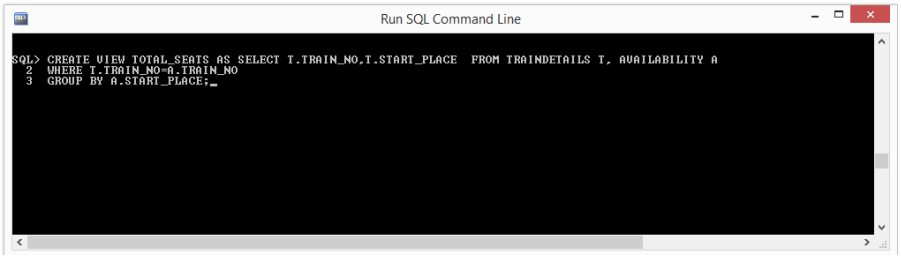


3. CREATE VIEW TOTAL_SEATS TO DISPLAY TRAIN NUMBER, START PLACE, USE COUNT FUNCTION TO NO OF SEATS , GROUP BY START PLACE AND PERFORM THE FOLLOWING

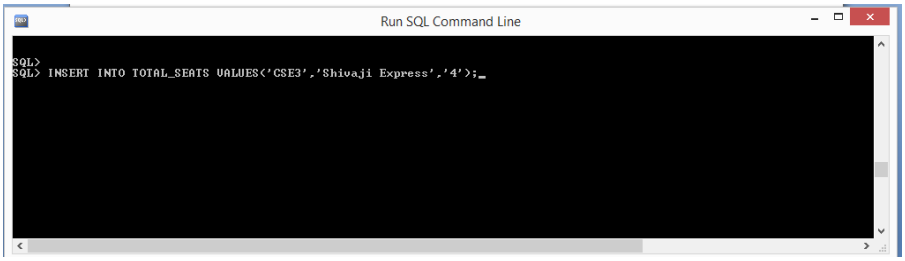
A. INSERT NEW RECORD

B. UPDATE START PLACE=‘HUBLI‘ WHERE TRAIN NO=‘JNS8‘

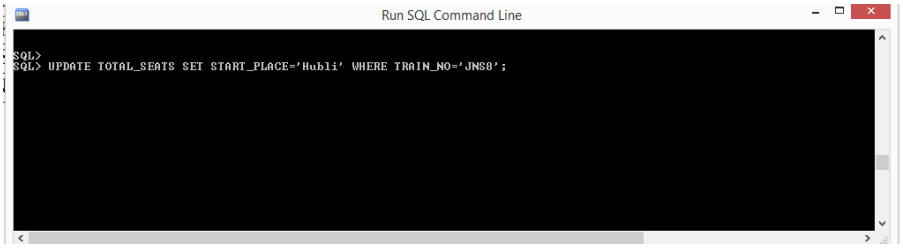
C. DELETE LAST ROW OF THE VIEW



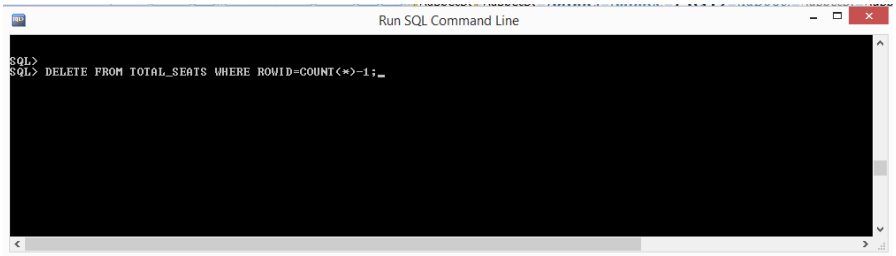
A. INSERT NEW RECORD



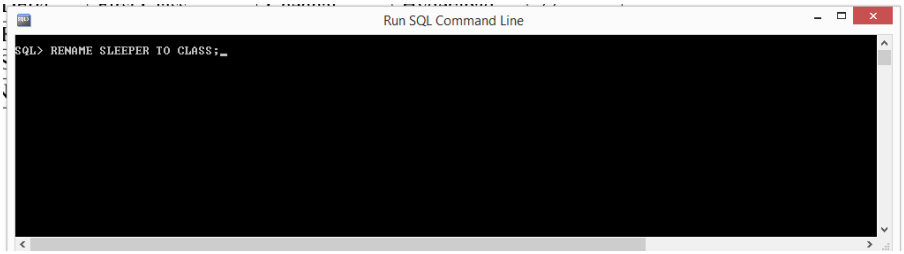
B. UPDATE START PLACE='HUBLI' WHERE TRAIN NO='JNS8'



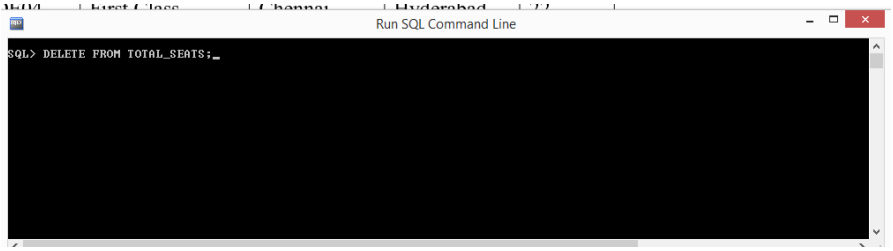
C. DELETE LAST ROW OF THE VIEW



4. RENAME VIEW SLEEPER TO CLASS



5. DELETE VIEW DETAILS



DELETING SLEEPER TABLE

NOTE: SINCE TABLE NAME HAS BEEN CHANGED TO CLASS SO TO DELETE SLEEPER TABLE WE HAVE TO DELETE CLASS TABLE.