

# ASSINGMENT SUBMISSION 3

## (Q1) OUTPUT-

```
dno=5 35400 123456789
manager 48000 333445555
dno=4 28750 999887777
manager 51600 987654321
dno=5 44840 666884444
dno=5 29500 453453453
dno=4 28750 987987987
manager 66000 888665555
manager 66000 888665555

PL/SQL procedure successfully completed.

James 66000

PL/SQL procedure successfully completed.

8
4
James 66000
Franklin 28750
Alicia 28750
Ramesh 28750

PL/SQL procedure successfully completed.
```

## (Q2) OUTPUT-

### TRANSACTION TABLE

TRANSNO	ACCTNO	TR_DATE	AMOUNT
101	2001	2020-01-15	1000
102	2002	2020-01-12	2000
103	2003	2020-01-16	3000
104	2003	2020-01-21	-700
105	2003	2020-01-23	-2200
106	2001	2020-01-20	-500
107	2001	2020-01-22	-300
108	2002	2020-01-24	-1000
115	2002	2020-01-25	100
109	2002	2020-01-28	-700
110	2003	2020-01-26	500

Output Query1-

ACCTNO	TR_DATE	AMOUNT
2001	2020-01-15	1000
2001	2020-01-20	1000
2001	2020-01-20	-500
2001	2020-01-22	-500
2001	2020-01-22	1000
2001	2020-01-22	-300
2002	2020-01-12	2000
2002	2020-01-24	2000
2002	2020-01-24	-1000
2002	2020-01-25	-1000
2002	2020-01-25	2000
ACCTNO	TR_DATE	AMOUNT
2002	2020-01-25	100
2002	2020-01-28	2000
2002	2020-01-28	-700
2002	2020-01-28	100
2002	2020-01-28	-1000
2003	2020-01-16	3000
2003	2020-01-21	3000
2003	2020-01-21	-700
2003	2020-01-23	3000
2003	2020-01-23	-2200
2003	2020-01-23	-700
ACCTNO	TR_DATE	AMOUNT
2003	2020-01-26	3000
2003	2020-01-26	-2200
2003	2020-01-26	500
2003	2020-01-26	-700

26 rows selected.

Output Query 2-

ACCTNO	MIN(AMT)
2001	200
2003	100
2002	400

**(Q3) OUTPUT-**

Current state

```

      BOOK_ID TITLE                COPIES
-----
      1001 pds                      5
      1002 dbms                     4
      1003 coa                      3
      1004 os                       2
      1005 algo                     1

Enter value for option_i_or_r: i
old 15:      opt := '&option_I_or_R';
new 15:      opt := 'i';
Enter value for card_no: 2005
old 16:      cno := &card_no;
new 16:      cno := 2005;
Enter value for card_holder_name: gaurav gupta
old 17:      cname := '&card_holder_name';
new 17:      cname := 'gaurav gupta';
Enter value for bookid: 1004
old 18:      bookid := &bookid;
new 18:      bookid := 1004;
Book issued succesfully!
Choose option correctly!!

PL/SQL procedure successfully completed.

Enter value for option_i_or_r: i
old 15:      opt := '&option_I_or_R';
new 15:      opt := 'i';
Enter value for card_no: 2004
old 16:      cno := &card_no;
new 16:      cno := 2004;
Enter value for card_holder_name: yash
old 17:      cname := '&card_holder_name';
new 17:      cname := 'yash ';
Enter value for bookid: 1003
old 18:      bookid := &bookid;
new 18:      bookid := 1003;
Book issued succesfully!
Choose option correctly!!

PL/SQL procedure successfully completed.
```

After issuing two books-

BOOK_ID	TITLE	COPIES
1001	pds	5
1002	dbms	4
1003	coa	2
1004	os	1
1005	algo	1

  

CARD_NO	CHOLDER_NAME	BOOK_ID	ISSUE_DATE	DUE_DATE
2005	gaurav gupta	1004	2020-01-29	2020-02-05
2004	yash	1003	2020-01-29	2020-02-05

no rows selected

After returning a book-

```
SQL> @c:/dbms/dbq3.sql
Enter value for option_i_or_r: r
old 15:      opt := '&option_I_or_R';
new 15:      opt := 'r';
Enter value for card_no: 2005
old 16:      cno := &card_no;
new 16:      cno := 2005;
Enter value for card_holder_name: gaurav gupta
old 17:      cname := '&card_holder_name';
new 17:      cname := 'gaurav gupta';
Enter value for bookid: 1004
old 18:      bookid := &bookid;
new 18:      bookid := 1004;
Book returned succesfully!

PL/SQL procedure successfully completed.
```

BOOK_ID	TITLE	COPIES
1001	pds	5
1002	dbms	4
1003	coa	2
1004	os	2
1005	algo	1

  

CARD_NO	CHOLDER_NAME	BOOK_ID	ISSUE_DATE	DUE_DATE
2004	yash	1003	2020-01-29	2020-02-05

  

CARD_NO	CHOLDER_NAME	BOOK_ID	RETURN_DAT	ISSUE_DATE
2005	gaurav gupta	1004	2020-01-29	2020-01-29

SQL> \_

## (Q4) OUTPUT-

graph table and related queries-

V1	V2	COST
1	2	5
2	3	6
3	4	4
2	6	2
1	5	3
5	6	6
6	1	8
6	3	12
3	6	12
6	7	9

10 rows selected.

Min\_degree  
0 4  
0 7

MAX\_degree  
3 6

PATH\_WITH\_COST<10  
1 6 7  
1 6 9

PL/SQL procedure successfully completed.

## (Q5) OUTPUT-

Begining state of account-

ACCNO	ACCNAME	TYPE	BALANCE
2001	balaji	saving	1000
2002	sai	current	2000
2003	rahul	saving	3000
2004	yash	current	4000
2005	gaurav	saving	5000

After one deposit--

```
Enter value for tr_type_w_or_d: d
old 12:      tr_type := '&tr_type_w_or_d';
new 12:      tr_type := 'd';
Enter value for ac_no: 2005
old 13:      ac_no := '&ac_no';
new 13:      ac_no := '2005';
Enter value for tr_id: 759563
old 14:      tr_id := '&tr_id';
new 14:      tr_id := '759563';
Enter value for amt: 1000
old 15:      amt := '&amt';
new 15:      amt := '1000';
Amount 1000 deposited succesfully!

PL/SQL procedure successfully completed.

  ACCNO  ACCNAME      TYPE      BALANCE
-----
  2001    balaji      saving      1000
  2002     sai      current      2000
  2003    rahul      saving      3000
  2004    yash      current      4000
  2005   gaurav      saving      6000

  TR_ID    ACCNO  TR_TYPE      AMT  DATE_OF_TR
-----
  759563    2005    d          1000  2020-01-29

SQL> @c:/dbms/dba5.sql
```

After

After One  
withdrawal--

```
SQL> @c:/dbms/dbq5.sql
Enter value for tr_type_w_or_d: w
old 12:      tr_type := '&tr_type_w_or_d';
new 12:      tr_type := 'w';
Enter value for ac_no: 2005
old 13:      ac_no := '&ac_no';
new 13:      ac_no := '2005';
Enter value for tr_id: 757595
old 14:      tr_id := '&tr_id';
new 14:      tr_id := '757595';
Enter value for amt: 500
old 15:      amt := '&amt';
new 15:      amt := '500';
Amount 500 withdarwn succesfully!
```

PL/SQL procedure successfully completed.

ACCNO	ACCNAME	TYPE	BALANCE
2001	balaji	saving	1000
2002	sai	current	2000
2003	rahul	saving	3000
2004	yash	current	4000
2005	gaurav	saving	5500

  

TR_ID	ACCNO	TR_TYPE	AMT	DATE_OF_TR
759563	2005	d	1000	2020-01-29
757595	2005	w	500	2020-01-29