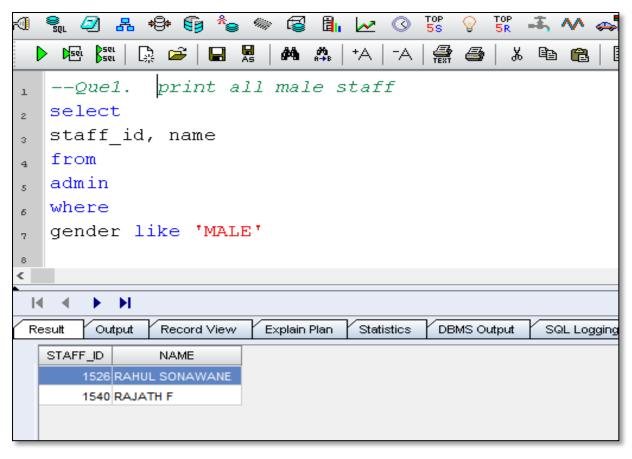**ASSIGNMENT 03**

PRN: 220950125020

HOSTEL

ROOM_NO
ROOM_SHARING
ROOMS_FACILITY
AVAILABLE_FOR_GENDER

ADMIN

STAFF_ID
NAME
GENDER

CANTEEN

MESS_ID
ID
FOOD_TYPE

LIBRARY

STUDENT_ID
ROOM_NO
GENDER

FEE

FEE_MONTH
FEE_STATUS
STUDENT_ID

VISITOR

VISITOR_ID
VISITOR_NAME
VISITOR_CONTACT_NO
VISITOR_GENDER
STUDENT_ID
VISITOR_IN_TIME
VISITOR_OUT_TIME

STUDENT

STUDENT_ID
NAME
GENDER
AGE
ROOM_NO

```sql
--Que1.   print all male staff
select
staff_id, name
from
admin
where
gender like 'MALE'
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

STAFF_ID	NAME
1526	RAHUL SONAWANE
1540	RAJATH F

```sql
--Que 2.    Print student\staff id who have taken non-veg at mess
select
id,food_type
from
canteen
where
food_type like 'NON_VEG'
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

ID	FOOD_TYPE
104	NON-VEG
105	NON-VEG
107	NON-VEG
108	NON-VEG
1532	NON-VEG
1589	NON-VEG
1526	NON-VEG

```sql
--Que 3. Display student id and name of student living in S02
select
student_id,name
from
student
where
room_no like 'S02'
```

STUDENT_ID	NAME
104	FIZA MARIYAMM
111	CHARU PATIL

```sql
--Que 4. Display all male student from student table
select
name,gender
from
student
where
gender like 'MALE'
```

NAME	GENDER
HRISHIKESH BAGUL	MALE
ROHAN DONGRE	MALE
ASHISH MAGRE	MALE
LOKESH BHANAGLE	MALE
AJAY KUNTE	MALE
ASHUTOSH DESAI	MALE

```sql
--Que 5. Display all female student from student table
select
name,gender
from
student
where
gender like 'FEMALE'
```

NAME	GENDER
FIZA MARIYAMM	FEMALE
AFREEN FATIMA	FEMALE
VIBHUTI RAINA	FEMALE
CHARU PATIL	FEMALE
NIKKI PATIL	FEMALE

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 6. Display all student lives in F02
select
student_id,name
from
student
where
room_no like 'F02'
```

STUDENT_ID	NAME
101	HRISHIKESH BAGUL
103	ASHISH MAGRE
107	LOKESH BHANAGLE

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 7. Display all student lives in S01
select
student_id,name
from
student
where
room_no like 'S01'
```

STUDENT_ID	NAME
108	AFREEN FATIMA
109	VIBHUTI RAINA

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 8. Display all student lives in F03
select
student_id,name
from
student
where
room_no like 'F03'
```

STUDENT_ID	NAME
105	KUKKU GAITONDE
110	ASHUTOSH DESAI

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 9. Display all student who have age in between 22 to 25
select
student_id,name
from
student
where
age>=22
and
age<=25
```

STUDENT_ID	NAME
102	ROHAN DONGRE
104	FIZA MARIYAMM
105	KUKKU GAITONDE
107	LOKESH BHANAGLE
106	AJAY KUNTE
110	ASHUTOSH DESAI
109	VIBHUTI RAINA
111	CHARU PATIL
112	NIKKI PATIL

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 10. Display all student whose name start with V
select
student_id,name
from
student
where
name like 'V%'
```

STUDENT_ID	NAME
109	VIBHUTI RAINA

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 11. Display unique age of all student
select
distinct
age
from
student
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

AGE
22
25
28
21
24
23
27

```sql
--Que 12. Display unique age of all student
select
name||' '||room_no as "Student Details"
from
student
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

Student Details
HRISHIKESH BAGUL F02
ROHAN DONGRE F01
ASHISH MAGRE F02
FIZA MARIYAMM S02
KUKKU GAITONDE F03
LOKESH BHANAGLE F02
AJAY KUNTE F01
AFREEN FATIMA S01
ASHUTOSH DESAI F03
VIBHUTI RAINA S01
CHARU PATIL S02
NIKKI PATIL S03

```sql
--Que 13. Display visitors in time between 7:00 to 15:00
select
visitor_name,visitor_in_time,visitor_out_time
from
visitor
where
visitor_in_time
between '07:00' and '15:00'
```

VISITOR_NAME	VISITOR_IN_TIME	VISITOR_OUT_TIME
AKSHAT SHRIVASTAV	11:19	13:01
DIVYA BISHT	14:15	14:35

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 14. Display count of male visitors
select
count(visitor_name)
from
visitor
where
visitor_gender like 'MALE'
```

COUNT(VISITOR_NAME)
4

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

```sql
--Que 15. Display student name who have same room facility
select
student.name,hostel.room_no,hostel.rooms_facility
from
student,hostel
where
student.room_no = hostel.room_no
and
HOSTEL.rooms_facility like 'INTERNET,FOOD,HOUSEKEEPING'
```

NAME	ROOM_NO	ROOMS_FACILITY
AJAY KUNTE	F01	INTERNET,FOOD,HOUSEKEEPING
ROHAN DONGRE	F01	INTERNET,FOOD,HOUSEKEEPING
ASHISH MAGRE	F02	INTERNET,FOOD,HOUSEKEEPING
HRISHIKESH BAGUL	F02	INTERNET,FOOD,HOUSEKEEPING
LOKESH BHANAGLE	F02	INTERNET,FOOD,HOUSEKEEPING
AFREEN FATIMA	S01	INTERNET,FOOD,HOUSEKEEPING
VIBHUTI RAINA	S01	INTERNET,FOOD,HOUSEKEEPING
NIKKI PATIL	S03	INTERNET,FOOD,HOUSEKEEPING

```sql
--Que 16. Display no. of visitor details for student_id=107
select
visitor_name,visitor_contact_no,visitor_gender,visitor_in_time,
visitor_out_time
from
visitor
where
student_id like '107'
```

VISITOR_NAME	VISITOR_CONTACT_NO	VISITOR_GENDER	VISITOR_IN_TIME	VISITOR_OUT_TIME
AKSHAT SHRIVASTAV	25212	MALE	11:19	13:01

```sql
--Que 17. Display no. of visitor before 19:00
select
count(visitor_name)
from
visitor
where
visitor_in_time <= '19:00'
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

COUNT(VISITOR_NAME)
4

```sql
--Que 18. Display all columns from library table
select *
from
library
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

STUDENT_ID	ROOM_NO	GENDER
106	F01	MALE
110	F03	MALE
109	S01	FEMALE
107	F02	MALE

```sql
--Que 19. Display visitor gender for student id = 112
select
visitor_gender
from
visitor
where
student_id=112;
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

VISITOR_GENDER
FEMALE
FEMALE

```sql
--Que 20. change and Display room no of student id 107 to F01
--update student
--set room_no='F01'
--where
--student_id = 107
select *from student;
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

STUDENT_ID	NAME	GENDER	AGE	ROOM_NO
101	HRISHIKESH BAGUL	MALE	28	F02
102	ROHAN DONGRE	MALE	22	F01
103	ASHISH MAGRE	MALE	21	F02
104	FIZA MARIYAMM	FEMALE	25	S02
105	KUKKU GAITONDE	OTHER	24	F03
107	LOKESH BHANAGLE	MALE	23	F01
106	AJAY KUNTE	MALE	24	F01
108	AFREEN FATIMA	FEMALE	27	S01
110	ASHUTOSH DESAI	MALE	24	F03
109	VIBHUTI RAINA	FEMALE	23	S01
111	CHARU PATIL	FEMALE	25	S02
112	NIKKI PATIL	FEMALE	23	S03

```sql
--Que 21. Display the count of male student in class
select
count(gender)
from
student
where
gender like 'MALE'
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

COUNT(GENDER)
6

```sql
--Que 22. Display the count of female student in class
select
count(gender)
from
student
where
gender like 'FEMALE'
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

COUNT(GENDER)
5

```sql
--Que 23. Make visitor id acsending and display visitor id, visitor name,
--student id and student name
select
visitor_id,visitor_name,
student_id
from
visitor
order by
visitor_id
```

VISITOR_ID	VISITOR_NAME	STUDENT_ID
501	ASAD PATEL	103
502	DIVYA BISHT	110
503	BABA ORLA	105
504	SNEHA CHANDRA	112
505	SOUMYA T	112
507	HARDIK PATEL	106
509	AKSHAT SHRIVASTAV	107

```sql
--Que 24. Display available for gender and facility available
--in lower case from hostel table
select
LOWER(available_for_gender),LOWER(rooms_facility)
from
hostel
```

LOWER(AVAILABLE_FOR_GENDER)	LOWER(ROOMS_FACILITY)
male	internet,food,housekeeping
male	internet,food,housekeeping
male	internet,food
female	internet,food,housekeeping
female	internet,food
female	internet,food,housekeeping

```sql
--Que 25. Insert a new row in student table with credentials
insert into
student(student_id,name,gender,age,room_no)
values
(113,'LATA VENU','FEMALE',24,'S03')
```

```sql
--Que 26. Display student name and id who are staying in 3 sharing
SELECT
S.STUDENT_ID,S.NAME,H.room_no
FROM
STUDENT S
INNER JOIN HOSTEL H
on
S.ROOM_NO = H.ROOM_NO
where
rOOM_SHARING=3;
```

STUDENT_ID	NAME	ROOM_NO
107	LOKESH BHANAGLE	F01
106	AJAY KUNTE	F01
102	ROHAN DONGRE	F01
103	ASHISH MAGRE	F02
101	HRISHIKESH BAGUL	F02
109	VIBHUTI RAINA	S01
108	AFREEN FATIMA	S01
112	NIKKI PATIL	S03
113	LATA VENU	S03

```sql
--Que 27. Display room number who have housekeeping facility
SELECT
h.ROOM_NO
FROM
STUDENT S
INNER JOIN HOSTEL H
on
S.ROOM_NO = H.ROOM_NO
where
rooms_facility like '%HOUSEKEEPING'
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

ROOM_NO
F01
F01
F01
F02
F02
S01
S01
S03
S03

```sql
--Que 28. Display food type taken by id 1526 with its mess id
SELECT
mess_id,food_type
FROM
canteen
where
id = 1526
```

Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging

MESS_ID	FOOD_TYPE
101	VEG
102	NON-VEG

```sql
--Que 29. Display number of female student on age between 24 to 27
SELECT
count(name)
FROM
student
where
gender like 'FEMALE'
and
age between 24 and 27;
```

| Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging |

COUNT(NAME)
4

```sql
--Que 30. Display student name whose gender is male and
--making decending order by for age
SELECT
name,age
FROM
student
where
gender like 'MALE'
order by
age desc
```

| Result | Output | Record View | Explain Plan | Statistics | DBMS Output | SQL Logging |

NAME	AGE
HRISHIKESH BAGUL	28
ASHUTOSH DESAI	24
AJAY KUNTE	24
LOKESH BHANAGLE	23
ROHAN DONGRE	22
ASHISH MAGRE	21