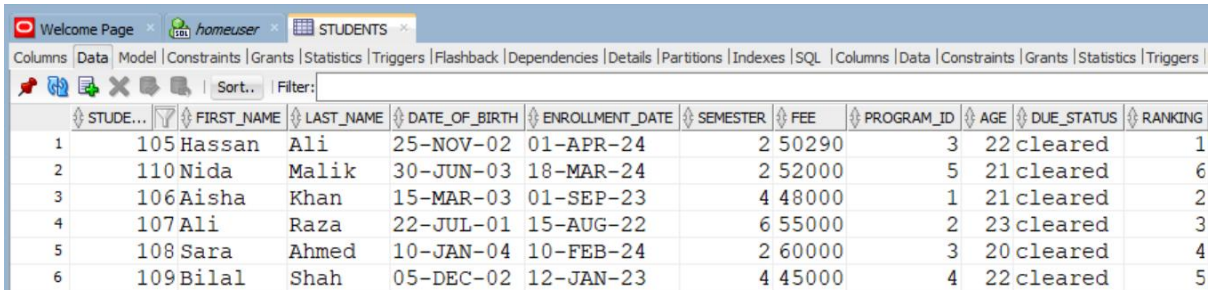
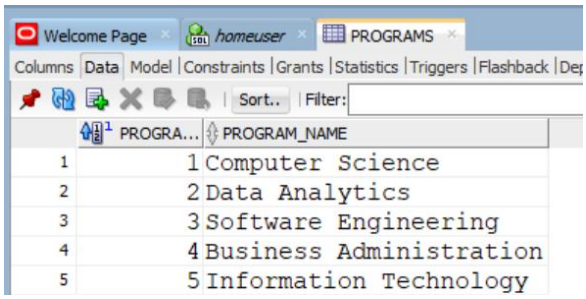
Name: Nabira Khan
Roll Number: 23K-0914

EXISTING STUDENTS TABLE



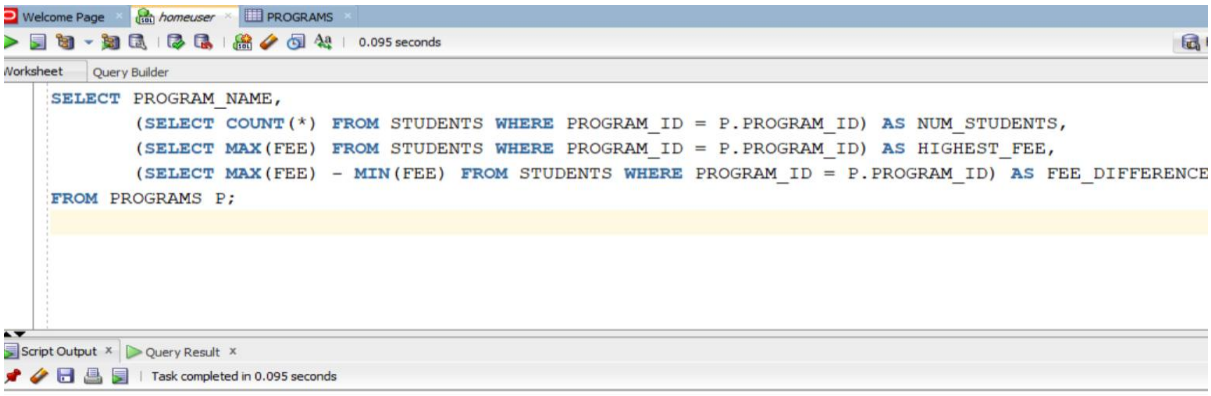
	STUDE...	FIRST_NAME	LAST_NAME	DATE_OF_BIRTH	ENROLLMENT_DATE	SEMESTER	FEE	PROGRAM_ID	AGE	DUE_STATUS	RANKING
1	105	Hassan	Ali	25-NOV-02	01-APR-24	2	50290	3	22	cleared	1
2	110	Nida	Malik	30-JUN-03	18-MAR-24	2	52000	5	21	cleared	6
3	106	Aisha	Khan	15-MAR-03	01-SEP-23	4	48000	1	21	cleared	2
4	107	Ali	Raza	22-JUL-01	15-AUG-22	6	55000	2	23	cleared	3
5	108	Sara	Ahmed	10-JAN-04	10-FEB-24	2	60000	3	20	cleared	4
6	109	Bilal	Shah	05-DEC-02	12-JAN-23	4	45000	4	22	cleared	5

EXISTING PROGRAMS TABLE



	PROGRA...	PROGRAM_NAME
1	1	Computer Science
2	2	Data Analytics
3	3	Software Engineering
4	4	Business Administration
5	5	Information Technology

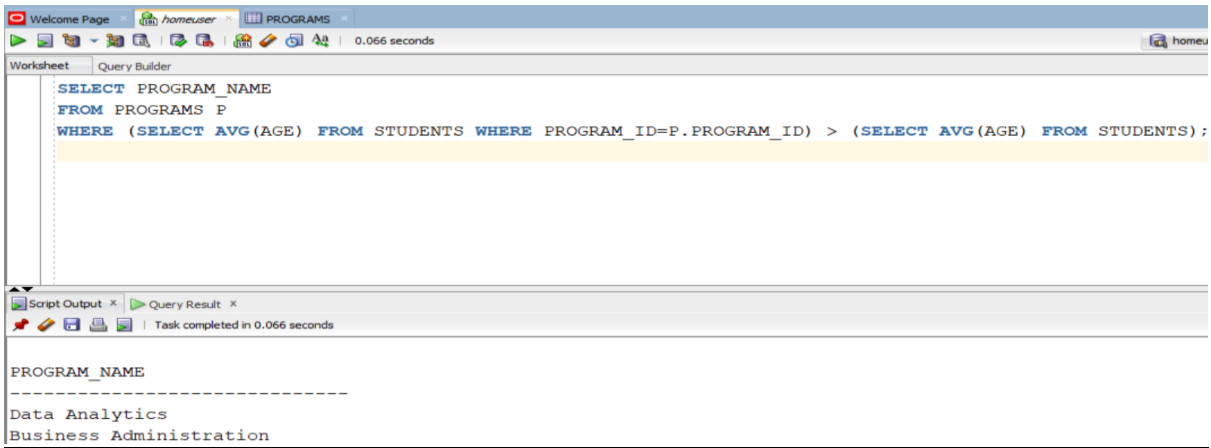
LAB#04 – TASK#01



```
SELECT PROGRAM_NAME,
       (SELECT COUNT(*) FROM STUDENTS WHERE PROGRAM_ID = P.PROGRAM_ID) AS NUM_STUDENTS,
       (SELECT MAX(FEE) FROM STUDENTS WHERE PROGRAM_ID = P.PROGRAM_ID) AS HIGHEST_FEE,
       (SELECT MAX(FEE) - MIN(FEE) FROM STUDENTS WHERE PROGRAM_ID = P.PROGRAM_ID) AS FEE_DIFFERENCE
FROM PROGRAMS P;
```

```
PROGRAM_NAME                   NUM_STUDENTS HIGHEST_FEE FEE_DIFFERENCE
------------------------------ ------------ ----------- --------------
Information Technology                    1       52000              0
Computer Science                          1       48000              0
Data Analytics                            1       55000              0
Software Engineering                      2       60000           9710
Business Administration                   1       45000              0
```

LAB#04 – TASK#02

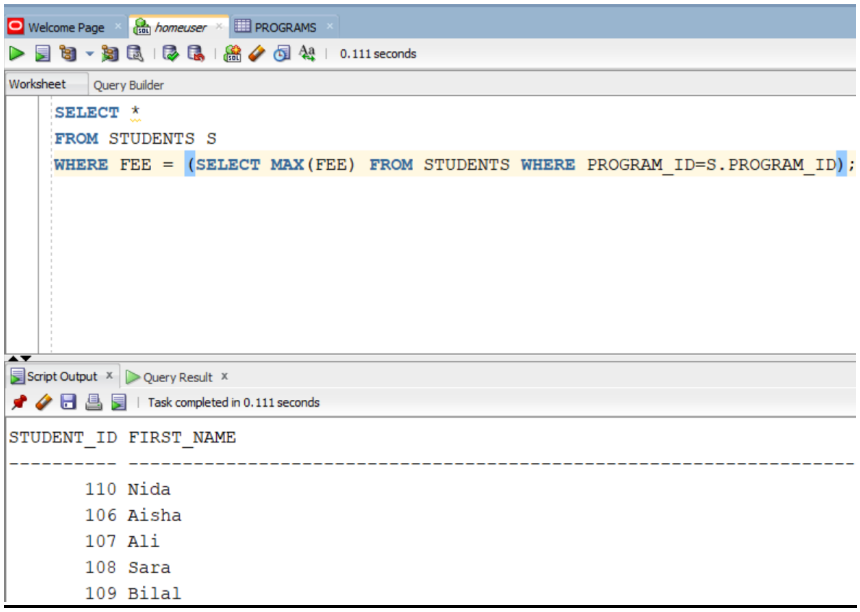


```
SELECT PROGRAM_NAME
FROM PROGRAMS P
WHERE (SELECT AVG(AGE) FROM STUDENTS WHERE PROGRAM_ID=P.PROGRAM_ID) > (SELECT AVG(AGE) FROM STUDENTS);
```

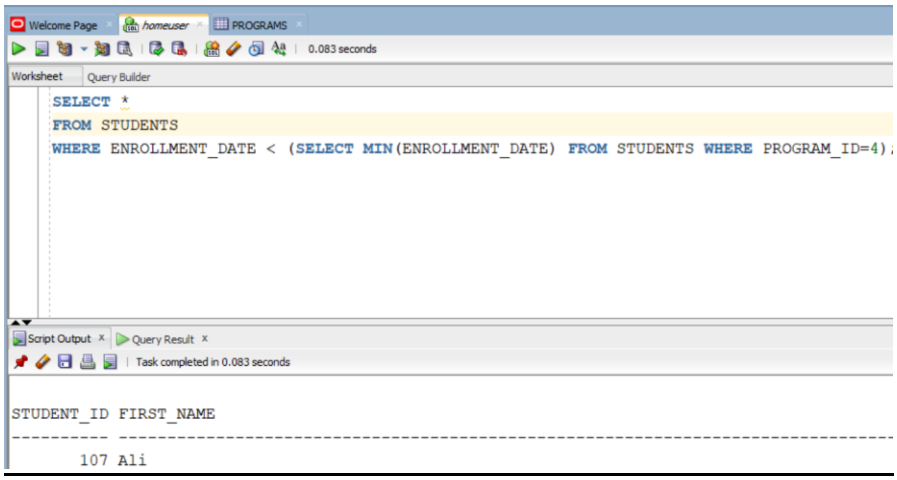
```
PROGRAM_NAME
------------------------------
Data Analytics
Business Administration
```

Name: Nabira Khan
Roll Number: 23K-0914

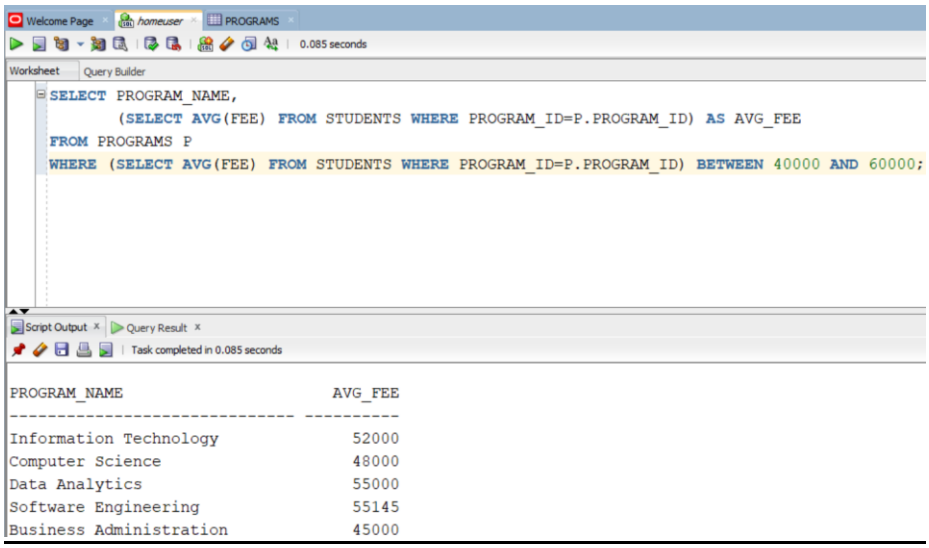
LAB#04 – TASK#03



LAB#04 – TASK#04

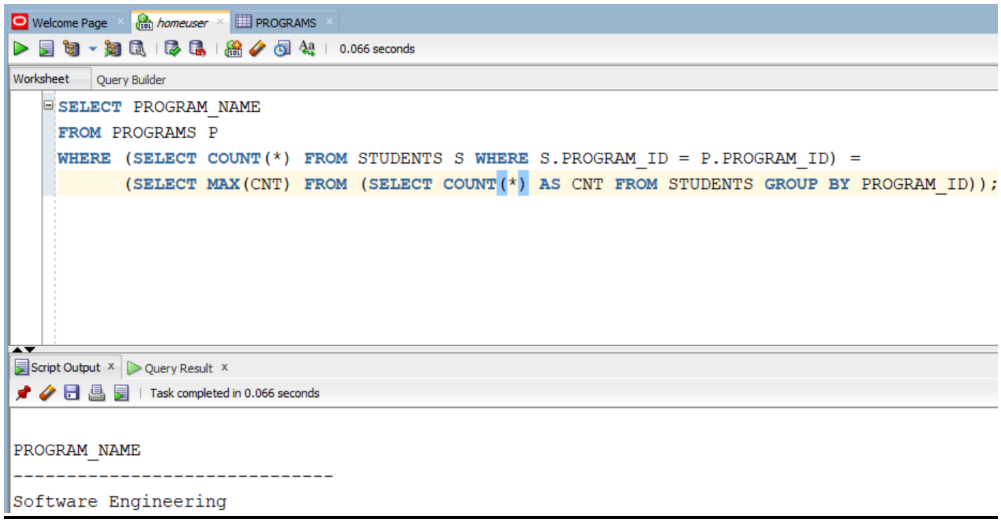


LAB#04 – TASK#05

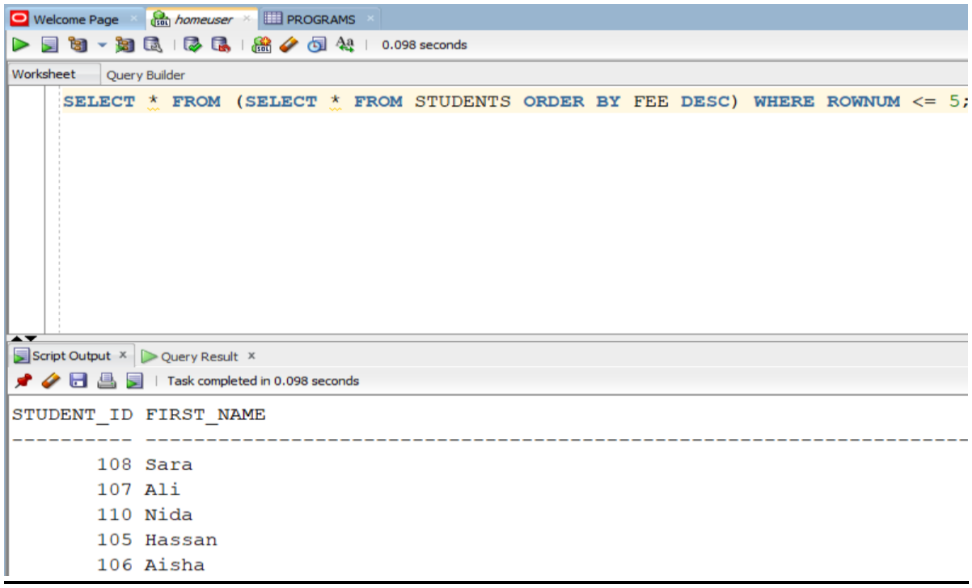


Name: Nabira Khan
Roll Number: 23K-0914

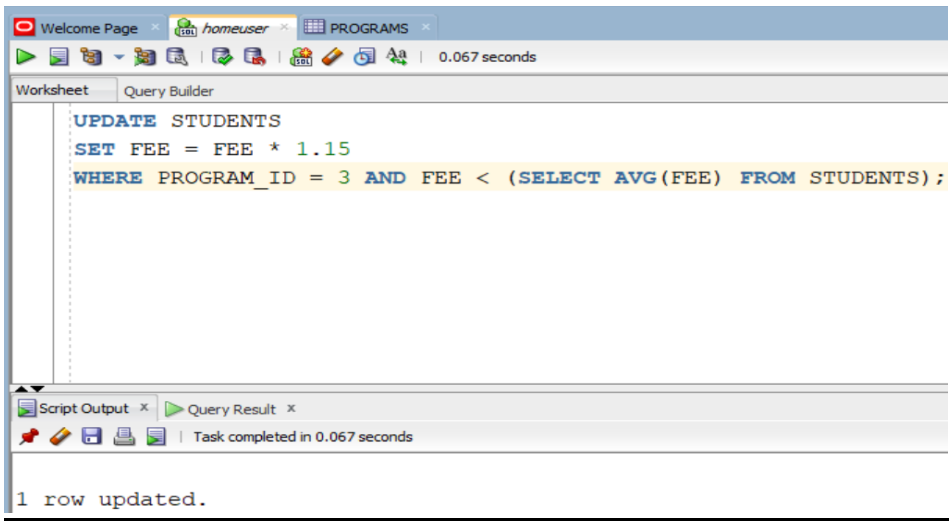
LAB#04 – TASK#06



LAB#04 – TASK#07

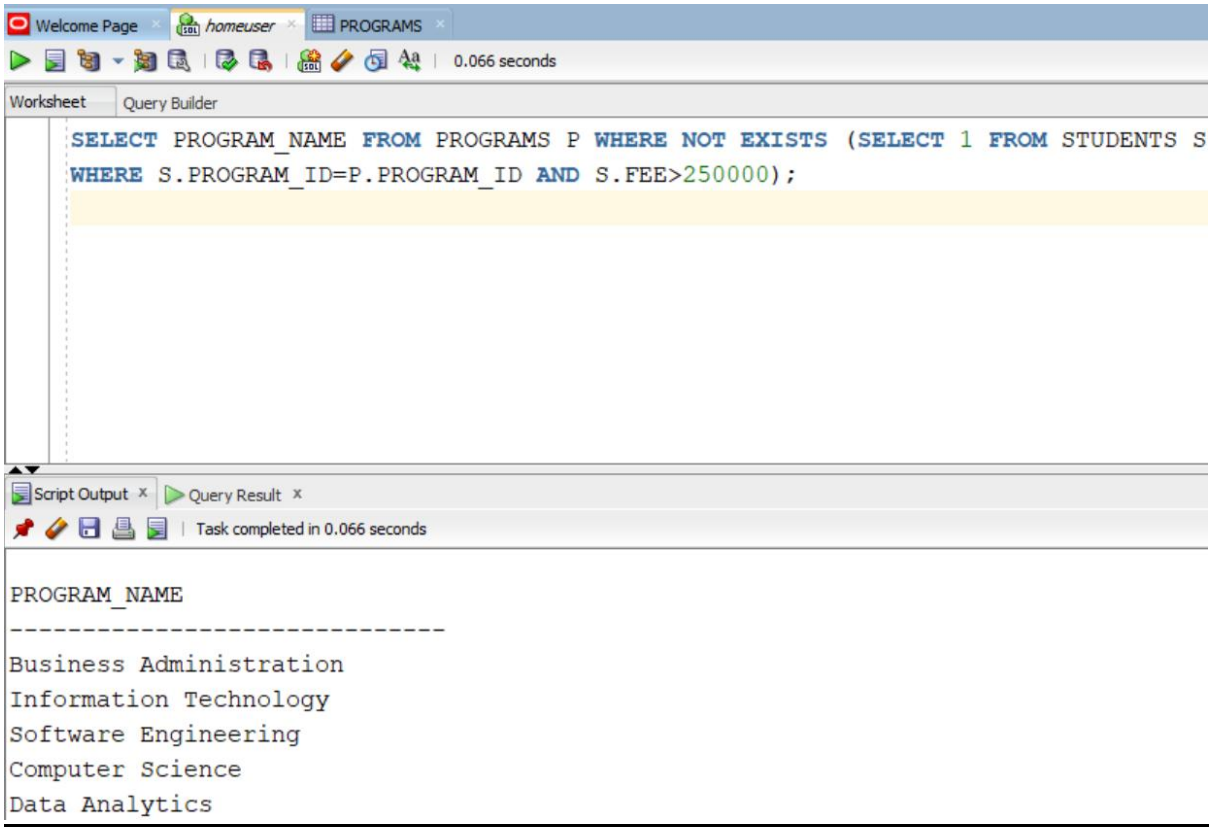


LAB#04 – TASK#08



Name: Nabira Khan
Roll Number: 23K-0914

LAB#04 – TASK#09



LAB#04 – TASK#10