

## StayWell Student Accommodation Project

### Section 6 Output Results

1.

OWNER_NUM	UPPER_FIRST_NAME	LOWER_LAST_NAME
AK102	CEYDA	aksoy
BI109	NICOLE	bianchi
BU106	ERNEST	burke
CO103	MEERAB	cole
JO110	AMMARAH	jones
KO104	JAKUB	kowalczyk
LO108	JANINE	lopez
MO100	ELLE-MAY	moore
PA101	MAKESH	patel
RE107	SETH	redman
SI105	HAYDON	sims

```
SELECT OWNER_NUM, UPPER(FIRST_NAME) AS UPPER_FIRST_NAME,  
LOWER(LAST_NAME) AS LOWER_LAST_NAME  
  
FROM OWNER;
```

2.

OWNER_NUM	LAST_NAME
AK102	Aksoy
JO110	Jones
PA101	Patel
RE107	Redman

```
SELECT OWNER_NUM, LAST_NAME  
  
FROM OWNER  
  
WHERE UPPER(CITY) = 'SEATTLE';
```

3.

OFFICE_NUM	ADDRESS	LAST_NAME	MONTHLY_RENT	MONTHLY_DISCOUNT
1	30 West Thomas Rd.	Burke	1400	25
1	782 Queen Ln.	Aksoy	1900	33
1	9800 Sunbeam Ave.	Bianchi	1200	21
1	105 North Illinois Rd.	Kowalczyk	1650	29
1	887 Vine Rd.	Sims	1160	20
1	8 Laurel Dr.	Moore	2050	36
2	447 Goldfield St.	Cole	1700	30
2	594 Leatherwood Dr.	Kowalczyk	2750	48
2	504 Windsor Ave.	Patel	1050	18
2	891 Alton Dr.	Lopez	1600	28
2	9531 Sherwood Rd.	Jones	1100	19
2	2 Bow Ridge Ave.	Redman	1700	30

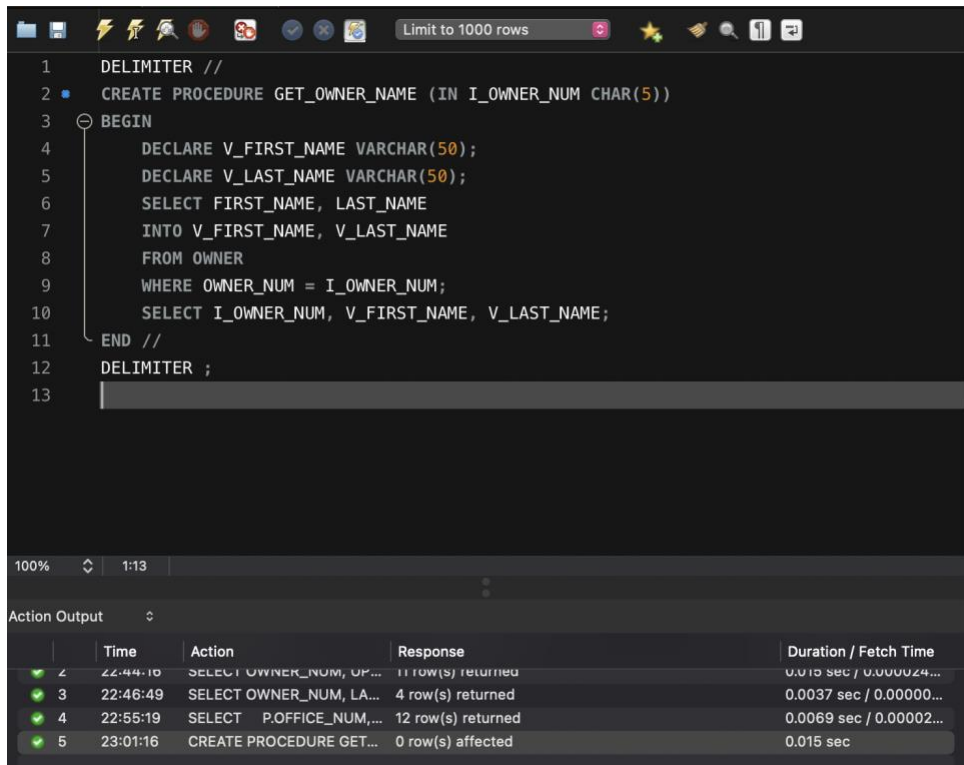
SELECT

P.OFFICE\_NUM, P.ADDRESS, O.LAST\_NAME, P.MONTHLY\_RENT,  
ROUND(P.MONTHLY\_RENT \* 0.0175, 0) AS MONTHLY\_DISCOUNT

FROM PROPERTY P

JOIN OWNER O ON P.OWNER\_NUM = O.OWNER\_NUM;

4. a.



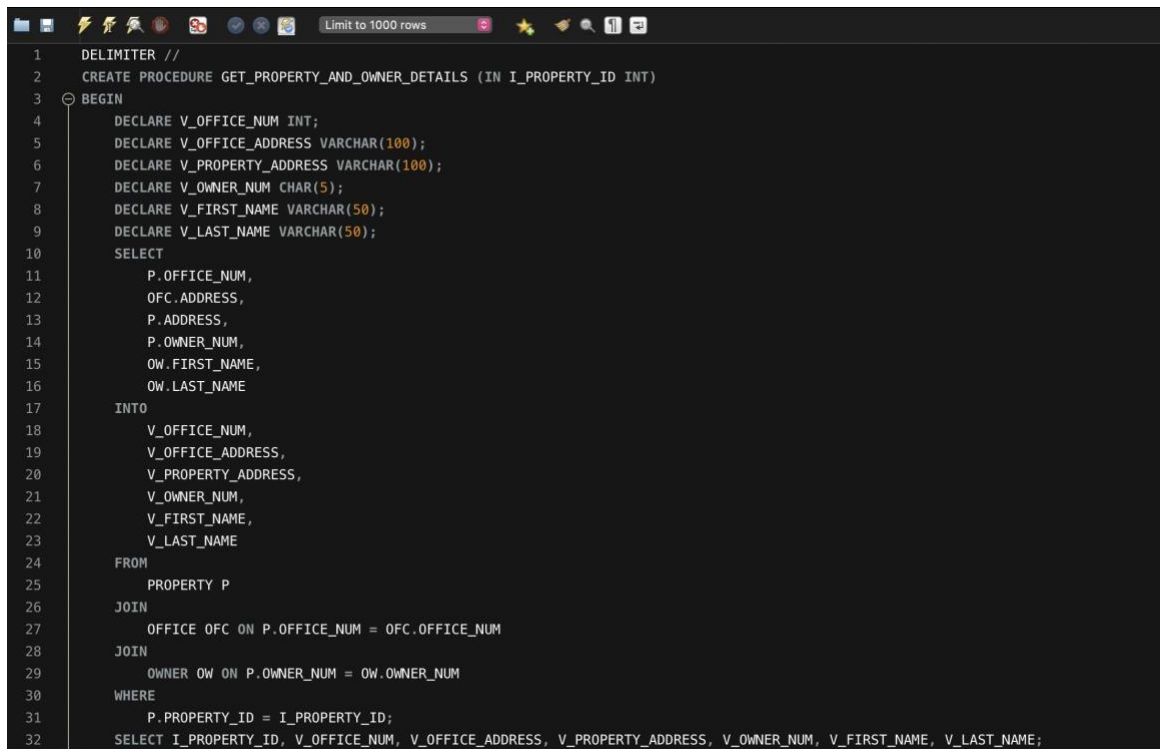
```
1 DELIMITER //
2 CREATE PROCEDURE GET_OWNER_NAME (IN I_OWNER_NUM CHAR(5))
3 BEGIN
4     DECLARE V_FIRST_NAME VARCHAR(50);
5     DECLARE V_LAST_NAME VARCHAR(50);
6     SELECT FIRST_NAME, LAST_NAME
7     INTO V_FIRST_NAME, V_LAST_NAME
8     FROM OWNER
9     WHERE OWNER_NUM = I_OWNER_NUM;
10    SELECT I_OWNER_NUM, V_FIRST_NAME, V_LAST_NAME;
11 END //
12 DELIMITER ;
13
```

100% 1:13

Action Output

	Time	Action	Response	Duration / Fetch Time
2	22:44:16	SELECT OWNER_NUM, OP...	11 row(s) returned	0.015 sec / 0.000024...
3	22:46:49	SELECT OWNER_NUM, LA...	4 row(s) returned	0.0037 sec / 0.00000...
4	22:55:19	SELECT P.OFFICE_NUM,...	12 row(s) returned	0.0069 sec / 0.00002...
5	23:01:16	CREATE PROCEDURE GET...	0 row(s) affected	0.015 sec

b.



```
1 DELIMITER //
2 CREATE PROCEDURE GET_PROPERTY_AND_OWNER_DETAILS (IN I_PROPERTY_ID INT)
3 BEGIN
4     DECLARE V_OFFICE_NUM INT;
5     DECLARE V_OFFICE_ADDRESS VARCHAR(100);
6     DECLARE V_PROPERTY_ADDRESS VARCHAR(100);
7     DECLARE V_OWNER_NUM CHAR(5);
8     DECLARE V_FIRST_NAME VARCHAR(50);
9     DECLARE V_LAST_NAME VARCHAR(50);
10    SELECT
11        P.OFFICE_NUM,
12        OFC.ADDRESS,
13        P.ADDRESS,
14        P.OWNER_NUM,
15        OW.FIRST_NAME,
16        OW.LAST_NAME
17    INTO
18        V_OFFICE_NUM,
19        V_OFFICE_ADDRESS,
20        V_PROPERTY_ADDRESS,
21        V_OWNER_NUM,
22        V_FIRST_NAME,
23        V_LAST_NAME
24    FROM
25        PROPERTY P
26    JOIN
27        OFFICE OFC ON P.OFFICE_NUM = OFC.OFFICE_NUM
28    JOIN
29        OWNER OW ON P.OWNER_NUM = OW.OWNER_NUM
30    WHERE
31        P.PROPERTY_ID = I_PROPERTY_ID;
32    SELECT I_PROPERTY_ID, V_OFFICE_NUM, V_OFFICE_ADDRESS, V_PROPERTY_ADDRESS, V_OWNER_NUM, V_FIRST_NAME, V_LAST_NAME;
```

33

END //

34

DELIMITER ;

100%

12:34

Action Output

	Time	Action	Response	Duration / Fetch Time
4	22:55:19	SELECT P.OFFICE_NUM, P.ADDRESS, O.LAST_NAME, P.MONTHLY_RENT, ROUND(P.MONTHLY_RENT * 0.0175,...	12 row(s) returned	0.0069 sec / 0.00002...
5	23:01:16	CREATE PROCEDURE GET_OWNER_NAME (IN I_OWNER_NUM CHAR(5)) BEGIN DECLARE V_FIRST_NAME VAR...	0 row(s) affected	0.015 sec
6	23:04:32	CREATE PROCEDURE GET_PROPERTY_AND_OWNER_DETAILS (IN I_PROPERTY_ID INT) BEGIN DECLARE V_O...	0 row(s) affected	0.0029 sec

c.

```

1 DELIMITER //
2 CREATE PROCEDURE ADD_OWNER_ROW ()
3 BEGIN
4     INSERT INTO OWNER (OWNER_NUM, LAST_NAME, FIRST_NAME, ADDRESS, CITY, STATE, ZIP_CODE)
5     VALUES ('AD123', 'Dempsey', 'Allison', '123 Address Dr', 'St Petersburg', 'FL', '33710');
6 END //
7 DELIMITER ;

```

d.

```

1 DELIMITER //
2 CREATE PROCEDURE CHG_OWNER_LAST_NAME (
3     IN I_OWNER_NUM CHAR(5),
4     IN I_LAST_NAME VARCHAR(50)
5 )
6 BEGIN
7     UPDATE OWNER
8     SET LAST_NAME = I_LAST_NAME
9     WHERE OWNER_NUM = I_OWNER_NUM;
10 END //
11 DELIMITER ;

```

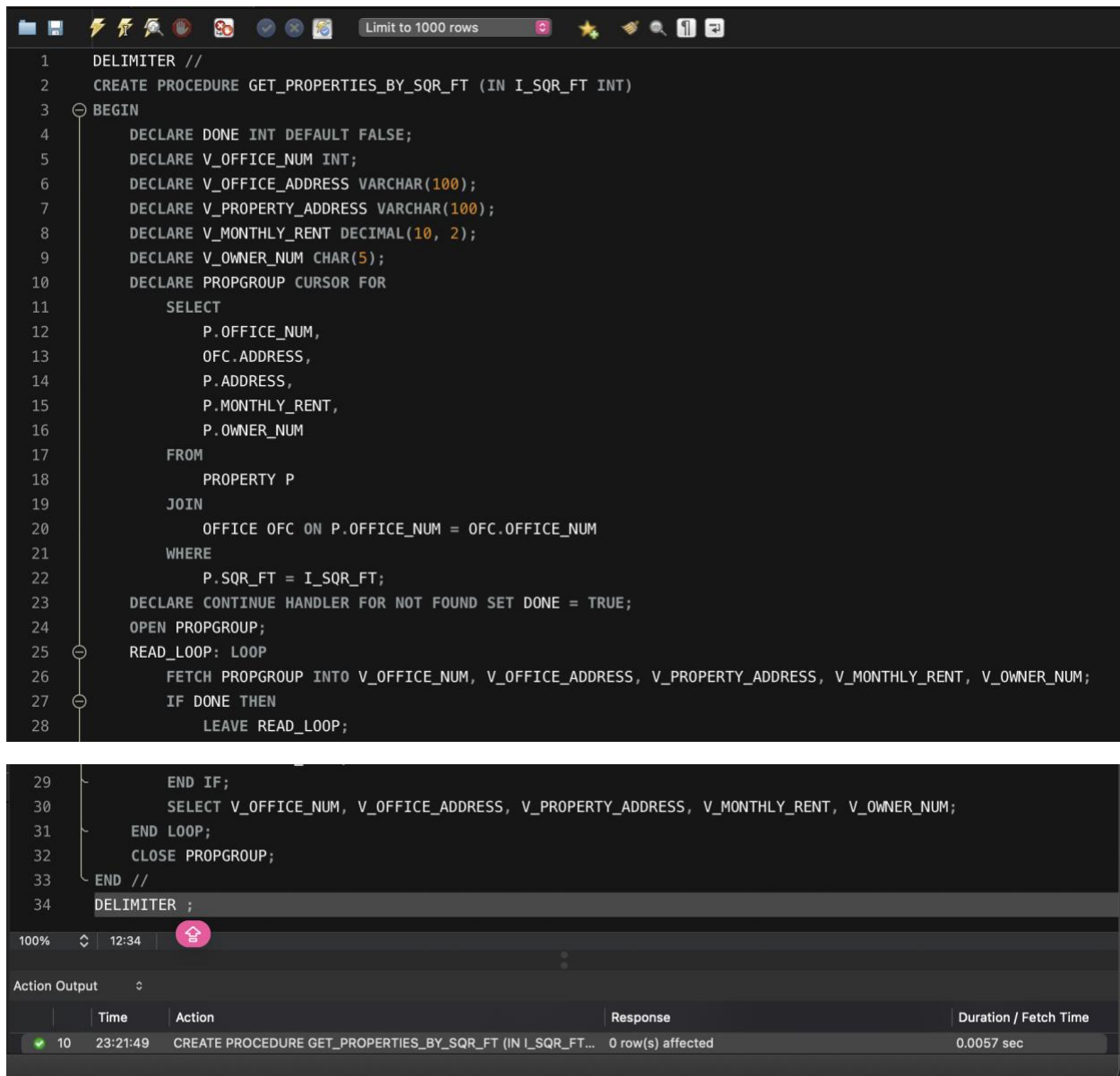
e.

```

1 DELIMITER //
2 CREATE PROCEDURE DEL_OWNER (IN I_OWNER_NUM CHAR(5))
3 BEGIN
4     DELETE FROM OWNER
5     WHERE OWNER_NUM = I_OWNER_NUM;
6 END //
7 DELIMITER ;

```

5.



The screenshot displays a SQL IDE interface with a dark theme. The top toolbar includes icons for file operations, execution, and a 'Limit to 1000 rows' dropdown. The main editor shows a PL/SQL procedure named GET\_PROPERTIES\_BY\_SQR\_FT. The procedure declares several variables, uses a cursor to select property data, and includes a loop to process the results. The bottom panel shows the 'Action Output' table with one successful execution record.

```
1 DELIMITER //
2 CREATE PROCEDURE GET_PROPERTIES_BY_SQR_FT (IN I_SQR_FT INT)
3 BEGIN
4     DECLARE DONE INT DEFAULT FALSE;
5     DECLARE V_OFFICE_NUM INT;
6     DECLARE V_OFFICE_ADDRESS VARCHAR(100);
7     DECLARE V_PROPERTY_ADDRESS VARCHAR(100);
8     DECLARE V_MONTHLY_RENT DECIMAL(10, 2);
9     DECLARE V_OWNER_NUM CHAR(5);
10    DECLARE PROPGROUP CURSOR FOR
11        SELECT
12            P.OFFICE_NUM,
13            OFC.ADDRESS,
14            P.ADDRESS,
15            P.MONTHLY_RENT,
16            P.OWNER_NUM
17        FROM
18            PROPERTY P
19        JOIN
20            OFFICE OFC ON P.OFFICE_NUM = OFC.OFFICE_NUM
21        WHERE
22            P.SQR_FT = I_SQR_FT;
23    DECLARE CONTINUE HANDLER FOR NOT FOUND SET DONE = TRUE;
24    OPEN PROPGROUP;
25    READ_LOOP: LOOP
26        FETCH PROPGROUP INTO V_OFFICE_NUM, V_OFFICE_ADDRESS, V_PROPERTY_ADDRESS, V_MONTHLY_RENT, V_OWNER_NUM;
27        IF DONE THEN
28            LEAVE READ_LOOP;
29        END IF;
30        SELECT V_OFFICE_NUM, V_OFFICE_ADDRESS, V_PROPERTY_ADDRESS, V_MONTHLY_RENT, V_OWNER_NUM;
31    END LOOP;
32    CLOSE PROPGROUP;
33 END //
34 DELIMITER ;
```

100% 12:34

Action Output

	Time	Action	Response	Duration / Fetch Time
10	23:21:49	CREATE PROCEDURE GET_PROPERTIES_BY_SQR_FT (IN I_SQR_FT...	0 row(s) affected	0.0057 sec