**Chapter 8 Practical Exercise**

**1.**

SELECT GUIDE\_NUM, LOWER(FIRST\_NAME) AS FRIST\_NAME, UPPER(LAST\_NAME) AS LAST\_NAME

 FROM GUIDE

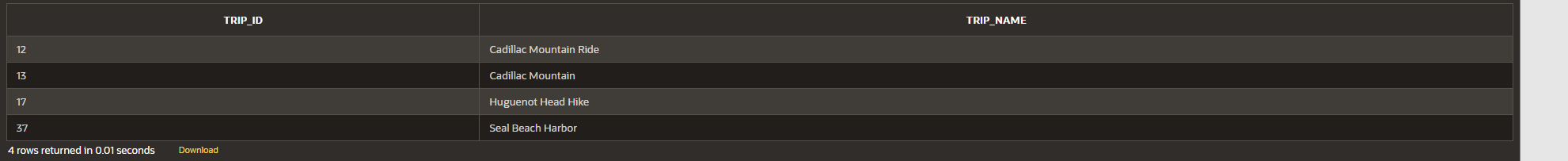
|  |  |  |
| --- | --- | --- |
| GUIDE\_NUM | FRIST\_NAME | LAST\_NAME |
| AM01 | miles | ABRAMS |
| BR01 | rita | BOYERS |
| DH01 | harley | DEVON |
| GZ01 | zach | GREGORY |
| KS01 | susan | KILEY |
| KS02 | sam | KELLY |
| MR01 | ray | MARSTON |
| RH01 | hal | ROWAN |
| SL01 | lori | STEVENS |
| UG01 | glory | UNSER |

**2.**

SELECT TRIP\_ID, TRIP\_NAME

FROM TRIP

WHERE UPPER(START\_LOCATION) LIKE '%BAR HARBOR%'

****

**3.**

SELECT RESERVATION\_ID, TRIP\_DATE, ROUND(TRIP\_PRICE, 0) AS TRIP\_PRICE

FROM RESERVATION

|  |  |  |
| --- | --- | --- |
| RESERVATION\_ID | TRIP\_DATE | TRIP\_PRICE |
| 1600001 | 3/26/2016 | 55 |
| 1600002 | 6/8/2016 | 95 |
| 1600003 | 9/12/2016 | 35 |
| 1600004 | 10/16/2016 | 45 |
| 1600005 | 6/25/2016 | 55 |
| 1600006 | 6/18/2016 | 80 |
| 1600007 | 7/9/2016 | 75 |
| 1600008 | 9/12/2016 | 35 |
| 1600009 | 9/11/2016 | 90 |
| 1600010 | 5/14/2016 | 25 |
| 1600011 | 9/15/2016 | 25 |
| 1600012 | 6/12/2016 | 15 |
| 1600013 | 7/9/2016 | 20 |
| 1600014 | 10/1/2016 | 40 |
| 1600015 | 7/23/2016 | 20 |
| 1600016 | 7/23/2016 | 75 |
| 1600017 | 6/18/2016 | 20 |
| 1600018 | 9/18/2016 | 85 |
| 1600019 | 8/29/2016 | 110 |
| 1600020 | 8/27/2016 | 35 |
| 1600021 | 6/11/2016 | 90 |
| 1600022 | 6/8/2016 | 95 |
| 1600024 | 9/11/2016 | 70 |
| 1600025 | 9/11/2016 | 70 |
| 1600026 | 10/1/2016 | 40 |
| 1600029 | 9/19/2016 | 105 |
| 1600030 | 7/25/2016 | 60 |

**4.**

**a.**

CREATE OR REPLACE PROCEDURE DISPLAY\_GUIDE\_INFO (I\_GUIDE\_NUM IN GUIDE.GUIDE\_NUM%TYPE) AS

I\_FIRST\_NAME GUIDE.FIRST\_NAME%TYPE;

I\_LAST\_NAME GUIDE.LAST\_NAME%TYPE;

BEGIN

SELECT FIRST\_NAME, LAST\_NAME

INTO I\_FIRST\_NAME, I\_LAST\_NAME

FROM GUIDE

WHERE GUIDE\_NUM = I\_GUIDE\_NUM;

DBMS\_OUTPUT.PUT\_LINE (I\_GUIDE\_NUM||' '||RTRIM(I\_FIRST\_NAME)||' '||RTRIM(I\_LAST\_NAME));

END;

BEGIN

DISPLAY\_GUIDE\_INFO('BR01');

END;

**Text

Description automatically generated**

**b.**

CREATE OR REPLACE PROCEDURE DISPLAY\_RES\_INFO (I\_RESERVATION\_ID IN RESERVATION.RESERVATION\_ID%TYPE) AS

I\_NUM\_PERSONS RESERVATION.NUM\_PERSONS%TYPE;

I\_CUSTOMER\_NUM RESERVATION.CUSTOMER\_NUM%TYPE;

I\_LAST\_NAME CUSTOMER.LAST\_NAME%TYPE;

CURSOR CUSTGROUP IS

SELECT a.NUM\_PERSONS, a.CUSTOMER\_NUM, b.LAST\_NAME

FROM RESERVATION a

JOIN CUSTOMER b ON a.CUSTOMER\_NUM = b.CUSTOMER\_NUM

WHERE RESERVATION\_ID = I\_RESERVATION\_ID;

BEGIN

OPEN CUSTGROUP;

LOOP

    FETCH CUSTGROUP INTO I\_NUM\_PERSONS, I\_CUSTOMER\_NUM, I\_LAST\_NAME;

    EXIT WHEN CUSTGROUP%NOTFOUND;

    DBMS\_OUTPUT.PUT\_LINE (I\_NUM\_PERSONS||' '||I\_CUSTOMER\_NUM||' '||I\_LAST\_NAME);

END LOOP;

CLOSE CUSTGROUP;

END;

BEGIN

DISPLAY\_RES\_INFO ('1600001');

END;

**Text

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**c.**

  INSERT INTO GUIDE (GUIDE\_NUM, LAST\_NAME, FIRST\_NAME)

  VALUES ('1234', 'Tristan', 'Izlar');

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**d.**

CREATE OR REPLACE PROCEDURE UPDATE\_GUIDE\_INFO (

I\_GUIDE\_NUM GUIDE.GUIDE\_NUM%TYPE,

I\_LAST\_NAME GUIDE.LAST\_NAME %TYPE)

AS

BEGIN

    UPDATE GUIDE

    SET LAST\_NAME = I\_LAST\_NAME

    WHERE GUIDE\_NUM = I\_GUIDE\_NUM;

END;

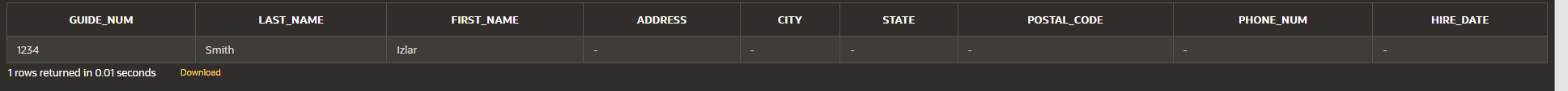
BEGIN

UPDATE\_GUIDE\_INFO ('1234','Smith');

END;

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****

**e.**

CREATE OR REPLACE PROCEDURE DELETE\_GUIDE\_INFO (

I\_GUIDE\_NUM GUIDE.GUIDE\_NUM%TYPE)

AS

BEGIN

    DELETE FROM GUIDE

    WHERE GUIDE\_NUM = I\_GUIDE\_NUM;

END;

BEGIN

DELETE\_GUIDE\_INFO ('1234');

END;

SELECT \* FROM GUIDE WHERE LAST\_NAME = 'Smith';

**Text

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**5.**

CREATE OR REPLACE PROCEDURE DISPLAY\_MORE\_RES\_INFO (I\_CUSTOMER\_NUM IN RESERVATION.CUSTOMER\_NUM%TYPE) AS

I\_RESERVATION\_ID RESERVATION.RESERVATION\_ID%TYPE;

I\_TRIP\_ID RESERVATION.TRIP\_ID%TYPE;

I\_NUM\_PERSONS RESERVATION.NUM\_PERSONS%TYPE;

I\_TRIP\_PRICE RESERVATION.TRIP\_PRICE%TYPE;

CURSOR RESGROUP IS

SELECT a.RESERVATION\_ID, a.TRIP\_ID, a.NUM\_PERSONS, a.TRIP\_PRICE

FROM RESERVATION a

WHERE a.CUSTOMER\_NUM = I\_CUSTOMER\_NUM;

BEGIN

OPEN RESGROUP;

LOOP

    FETCH RESGROUP INTO I\_RESERVATION\_ID, I\_TRIP\_ID, I\_NUM\_PERSONS, I\_TRIP\_PRICE;

    EXIT WHEN RESGROUP%NOTFOUND;

    DBMS\_OUTPUT.PUT\_LINE (I\_RESERVATION\_ID||' '||I\_TRIP\_ID||' '||I\_NUM\_PERSONS||' '||I\_TRIP\_PRICE);

END LOOP;

CLOSE RESGROUP;

END;

BEGIN

DISPLAY\_MORE\_RES\_INFO ('101');

END;

**Text

Description automatically generated**