

```

SQL>
SQL> /* =====
SQL> Name - Hay Munn Hnin Wai
SQL> UOW ID - 6573277
SQL> Assignment 2 - Task 3
SQL> =====*/
SQL>
SQL> Create or Replace Function LongTrip(DLNum In Driver.L#%TYPE)
2   return varchar2 IS
3
4   result varchar2(500);
5       ename varchar2(500);
6       MaxLeg number(2);
7
8   BEGIN
9       -- Get The Max(Count(TripLegs))Performed by the driver Base on
userinput
10      SELECT e.name INTO ename
11      FROM TRKEMPLOYEE e
12      left join driver on e.e# = driver.e#
13      where driver.l# = DLNum;
14
15      SELECT max(count(tl.leg#)) INTO MaxLeg
16      from trip t, tripleg tl
17      where t.t# = tl.t# and t.l# = DLNum
18      group by tl.t#;
19
20      IF ( MaxLeg > 0) THEN
21          result := 'Driver Name :' || ename || ' & ' || chr(10) ||
22                  'The Longest Trip made by this Driver with L# ' || DLNum || '
is: ' || MaxLeg;
23      ELSE
24          result := 'Driver Name is:' || ename || '&' || chr(10) ||
25                  'The Longest Trip made by this Driver with L# ' || DLNum || '
is: 0';
26      END IF;
27
28      return result;
29  END LongTrip;
30  /

```

Function created.

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SQL> show error
No errors.

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SQL>
SQL> --Test the LongestTrip for Driver
SQL> select LongTrip(driver.L#) from driver;

```

LONGTRIP(DRIVER.L#)

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-----
Driver Name :John Smith &
The Longest Trip made by this Driver with L# 10001 is: 5

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Driver Name :John Doe &
The Longest Trip made by this Driver with L# 10002 is: 5

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Driver Name :Adam Taylor &
The Longest Trip made by this Driver with L# 10003 is: 8

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Driver Name is:Andrew K. Smith&
The Longest Trip made by this Driver with L# 10008 is: 0

LONGTRIP(DRIVER.L#)

Driver Name :Frederic Jones &
The Longest Trip made by this Driver with L# 20002 is: 5

Driver Name :Adam Fox &
The Longest Trip made by this Driver with L# 20005 is: 4

Driver Name :John Lucas &
The Longest Trip made by this Driver with L# 30005 is: 5

7 rows selected.

SQL>

SQL>

SQL> set echo off

SQL> set feedback off

SQL> spool off