**Task 1**

CREATE MATERIALIZED VIEW u\_dw.monthly

BUILD IMMEDIATE

AS

SELECT DECODE ( GROUPING ( vt.vehicle\_type\_desc ), 1, 'Grand Total', vt.vehicle\_type\_desc ) vehicle\_type\_desc

, DECODE ( GROUPING ( v.vehicle\_desc ), 1, 'Total by Class', v.vehicle\_desc ) vehicle\_desc

, SUM ( f.fct\_quantity ) quantity

, ROUND ( SUM ( f.fct\_amount ) ) amount\_sold

FROM tmp\_vehicles v

JOIN tmp\_delivery f

ON v.vehicle\_id = f.vehicle\_id

JOIN tmp\_dealers d

ON d.dealer\_id = f.dealer\_id

JOIN tmp\_vehicle\_types vt

ON v.vehicle\_type\_id = vt.vehicle\_type\_id

WHERE d.dealer\_country = 'Germany'

AND f.event\_dt >= TRUNC ( TO\_DATE ( '01-jan-2013'

, 'dd-mon-yyyy' )

, 'month' )

AND f.event\_dt <= (TRUNC ( TO\_DATE ( ADD\_MONTHS ( TO\_DATE ( '01-jan-2013'

, 'dd-mon-yyyy' )

, 1 ) )

, 'month' )

- 1)

GROUP BY ROLLUP ( vt.vehicle\_type\_desc, v.vehicle\_desc );

