

Question 2 (Marks 10)

Consider the following information about Owner and Car tables.

Table1 (Master):

Header Size of the Owner table: = 40 Bytes

Number of records stored in Owner table: = 50000

Table2 (Detail):

Header size Car table: = 60 Bytes

Number of records stored in Car table: = 4000000

Hint: There would be 4000000 records in De-normalize table.

Solution:

The header of resultant DE NORMALIZATUON TABLE = $40+60-8$

=92Bytes

The number of recordes in de –normalized table = 4000000

Size of the De- Normalized table = $92*4000000$

=368000000 Bytes

Note: to convert bytes in to MB. we need to divide by $(1000)^2$ Or $(1024)^2$

=368MB

Note: to convert bytes in to GB we need to divide by $(1000)^3$ Or $(1024)^3$

=0.368GB

Note: to convert bytes in to GB we need to divide by $(1000)^4$ Or $(1024)^4$

=0.000368TB