

- 1.
- 1) False.
  - 2) True.
  - 3) True.  $O_a = s(LD) \approx 0$ .
  - 4) True.
  - 5) True.
  - 6) False.
  - 7) True.
  - 8) True.
  - 9) False.
  - 10) True.
- Explanations  
are used at  
all stages!

2. 1) Select All rows A. age >  
From table A person P. Details  
Where A.35 > 1.85 AND P. T. no > T. no  
AND P. name > S. name AND P. id > P. id  
AND P. date IS NOT NULL;

CONF'D

(contd)

2. 2) Select A.Nais  
From A.III & T.datas T.Peson P  
Where A.SSN = P.SSN AND P.Tno = T.Tno  
AND T.fname = 'Supriya' AND fname  
AND P.dat = '2022-05-16'

3) Select AVG(A.III)  
From A.III & T.datas T.Peson P  
Where A.SSN = P.SSN And P.Tno = T.Tno  
And T.fname = 'Supriya' AND fname  
Group By P.SSN  
Having Count(P.dat) > 3;

4) Select A.Nais  
From A.III &  
Where A.salary > (Select Avg(A.III.salary)  
From A.III)

5) Select T.fname  
From T.datas T.Peson P  
Where T.Tno = P.Tno AND P.dat Between  
'2022-05-16' AND '2022-05-26'  
Group By T.fname  
Having Count(P.dat) > 3;

3. Oldest Person

Age Pudge =  $81 \text{ years old} + 10 = 91 \text{ years old}$   
Wife died = 3/16/2022;

2) Datto Ray Pudge  
Wife died 15/16/2022;

5. New

ESN

Places

Ran

ID#

None

Musical

Tutor

Studies

Music

6. Missing

ESN Name Address

Play

880 ID#

Play

880 ID#

Play

880 ID#

Play

880 ID#

Sofa

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$$\begin{aligned}
 8. \text{ weeks} &= 100 \text{ days} \\
 \text{Soil} &= 43 \times 10^3 \text{ m}^3 \text{ day}^{-2} \text{ L} \\
 1.5 \times 2525 \text{ L} &\text{ per day} \\
 1.5 \times 10^3 \text{ m}^3 \text{ day}^{-1} &+ 100 = 30 \text{ m}^3 \text{ day}^{-1} \\
 100 \text{ days} &= 100 \times 30 \text{ m}^3 \text{ day}^{-1} \\
 \text{Soil} &= 3000 \text{ m}^3 \text{ day}^{-1} \text{ (in sec)}
 \end{aligned}$$

$$\begin{aligned}
 \text{D. blocking factor} &= 812/103 = 4 \text{ (standard day)} \\
 \# \text{ of D. Hs} &= 100/4 = 2500 \text{ (standard day)}
 \end{aligned}$$

2 Hs per day per sec, 0.5 \* 6 kN

$$20 \times 100 \times 103 \times 0.5 \times 6 / 812$$

$$20 \times 10 \times (0.5 \times 600) \times 1 = 7200 \text{ ns}$$

a.

	1 day	is correct
Bye of the Bell	Brick wall	Chestnut rods
Not the case	Brick + red concrete	Secondary rods Concrete

FIVE STAR.

FIVE STAR

FIVE STAR

FIVE STAR

7. Database normalization is a "procession" process where we try to get database design to reflect the actual world by breaking down a relation into smaller relations. If a relation has many attributes that have a common attribute, then it should be broken down into two or more relations. This is called normalization. There are three levels of normalization: 1. First Normal Form (1NF): A relation is in 1NF if all its attributes are atomic. 2. Second Normal Form (2NF): A relation is in 2NF if it is in 1NF and there are no partial dependencies. 3. Third Normal Form (3NF): A relation is in 3NF if it is in 2NF and there are no transitive dependencies. 4. Boyce-Codd Normal Form (BCNF): A relation is in BCNF if it is in 3NF and there are no dependencies between non-prime attributes.

4. DrafH1 <@ auto = 15/16/2021 (Local)

Detail 2 of Trans Grants from Hospital Ad Valorem (Trans)

$D3 \in (\text{Detail 1}) / \text{Apparatez.T.} \cup \text{Detail 2}$

D4  $\leftarrow$  (start  $N_{A,ZN_2P,86N} 03\right)$

Rosenthal & Rosenthal (2014)