

#### **UNITED INTERNATIONAL UNIVERSITY**

### **Assignment 01**

Name of course: Database Management Systems

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Submitted By: Asaduzzaman

**ID:** 011 193 146

Section: D

**Department:** Computer science and Engineering (CSE)

## -nourier-to-the question no-01

Corresponded -> maf-year x

Care model -> colote x

maf-year-> colote x

maf-year-> care model x

Colote > care model x

Care model, maf-year -> colote x

maf-year-> colote > care model x

$$PgRST^{\dagger} = \{P,Q,R,S,T\}$$
  
 $S:K = \{P,R,S,T\}$   
 $SK = \{P,R,S,T,S\}$   
 $SK = \{P,R,Q,T,S\}$   
 $SK = \{P,R,Q,T,S\}$   
 $SK = \{P,R,Q,T,S\}$   
 $SK = \{P,R,Q,T,S\}$ 

As there is transative dependency so it is not in ONF.

There remists no partial dependency so it is in 2NF Form.

R<sub>1</sub> R<sub>3</sub> R<sub>4</sub>

9(li)

$$R_{1} = (cD)$$

$$R_{2} = (ABCE)$$

$$R_{3} = (ABCE)$$

$$R_{4} = (CE)$$

$$R_{5} = (ABCE)$$

$$R_{6} = (ABCE)$$

$$R_{7} = (CE)$$

$$R_{7} = (CE)$$

$$R_{7} = (CE)$$

$$R_{8} = (CE)$$

$$R_{1} = (CE)$$

$$R_{1} = (CE)$$

$$R_{2} = (ABCE)$$

$$R_{4} = (CE)$$

$$R_{5} = (ABCE)$$

$$R_{6} = (ABCE)$$

$$R_{1} = (CE)$$

$$R_{1} = (CE)$$

$$R_{2} = (ABCE)$$

$$R_{3} = (CE)$$

$$R_{4} = (CE)$$

$$R_{5} = (CE)$$

$$R_{6} = (ABCE)$$

$$R_{1} = (CE)$$

$$R_{2} = (ABCE)$$

$$R_{3} = (CE)$$

$$R_{4} = (CE)$$

$$R_{5} = (CE)$$

$$R_{6} = (ABCE)$$

$$R_{1} = (CE)$$

$$R_{2} = (ABCE)$$

$$R_{3} = (CE)$$

$$R_{4} = (CE)$$

$$R_{5} = (CE)$$

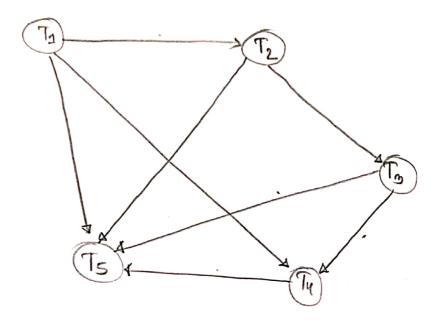
$$R_{5} = (CE)$$

$$R_{5} = (CE)$$

$$R_{6} = (CE)$$

$$R_{7} = (C$$

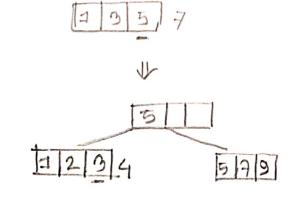
# -Arount to the justion no - 04



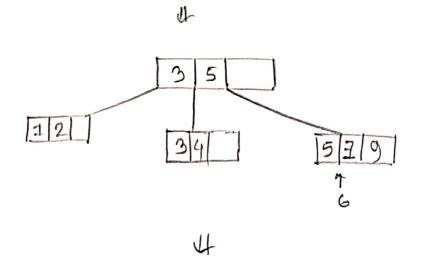
## - Aromer to the question no-05

1,0,5,7,9,2,4,6,8,10,15,21.

onder: 4 Keys: 3 Right Bing



1,2 3,4



5,6,7,5

5,6 7,9

