

DataBase | HW07

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1. 20 x! R for,	بازیم الله الله ما ال
(AF)+	(I. AF 2 ABCDF (A—BCD)
	3 ABCDEF (BC DE) / AF while
(BF)+	1. BF 2. BDF $(B \rightarrow D)$ 3. BDAF $(D \rightarrow A)$
	4. BCDAF (A BCD) 5. BCDAEF (BC DE) J BF PUBLIF
(CF)+	1. CF 2 X Chiploph
(EF)+	1. EF X Tribub
(DF)+	1.DF 2. DAF (D-A) 3. DABCF (A-BCD) 4. DABCEF (BC-DE) / DF winds

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F = (A.B.C.D.E.G)
                        1 A _ BCD
                        2 BC _ DE
                       3 B - D
                       4 D - A
             a. (B)+
                                                                             1. B
                                                                              2. BD
                                                                                                          (B-D)
                                                                             3 BDA (D-A)
                                                                             "I ABCD (A -> BCD)
                                                                             5. ABODE (BC - DE)
         6.
                                                                          I BCDG (AG -> BCDG agmentation)
                                                                          2 ABCDG (A, AG - A, BCDG agmentation)
                                                                          3 ABODEG (AG - ABODG & BC, ADG - DE, ADG transmity)
     C. BC - E production of the Back of the Ba
                            (B-D.D-A.A-BC.BC.E) M/B-E/ VIEr Symbolic prise 2 deliver
                                                                                                                                                      مال عدد إدَّ الله المال در العالم دريا
                                                                                                               A-BC
                                                                                                               B-ED
                                                                                                                  D \rightarrow A
                                                                                                                                                                            مرصة موال مل و والله و الطراع المالية
    d. 3NF
                                                      (A.B.C)
                                                                                                                 mand ( who is it is she !) by it too it
                                                                 (B. E. D)
                                                                (D.A)
e. BCNF (willy representation) (and fine Got wind tout of the bound tout of the BCD by A BCD
                          (A.E.G) (A.B.C.D)
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مر المر المراب الموري الموري المراب 
                                                                                                                                                            me but in je to attribute ( le of
       (DEGH)
                                                                                  1. DEGH
                                                                                 2 DEBGH
                                                                                                                              (DE-B)
                                                                                  3 DEBGHA (DEH -A)
                                                                                  4. DEBGHAC (D - C )
                                                                                                                                                                                                           1 DEGH Candidate key
            (AEGH)-
                                                                                             Winder of Delan X
            (BEGH) +
            ((EGH)-
                                                   Fc = D - C
                                                                                                                                                                                       AB - D and D- C : AB - DC
                                                                                                                                                                                       DE - B and DEH - A DEH - AB
                                                                            DE -B
                                                                              DEHG __ AG
                                                             F. D-C, DE-B, DEHC-Met While Fe of old of the
  C
               1 for each functional dependency a - B infe
                                                                 Ri = aB;
                                  RI = DC
                                  R2 = DEB
                                 R3 = ADEHG
             2. If none of schema R, joli i Contour a Condidate key fork then
                                                                           Ri = any Condidate Key
                                                                                 noaction
         3. respecte
                                                                                noachen
R1= (DIC) R2= (D.E.B) R3- (A.D.E.HIG)
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قسمت d)

 $R1 = (\underline{D}, C)$ $R2 = (\underline{D}, \underline{E}, B)$

R3 = (D, E, H, G, A)

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R<sub>1</sub> (accessinno i isbn) : { isbn \rightarrow accessiono}

R<sub>2</sub> (isbn i title i poblisher i author) : { isbn \rightarrow title isbn \rightarrow publisher}

R<sub>3</sub> (vserid i name, deptid) : { vserid \rightarrow name i deptid i }

R<sub>4</sub> (deptid id deptid id ideptid i
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