Database homework 2 mohsen rahnamaei 9326953

1.T1🡨 Professor (p) ⋈ p.clg# = c.clg# College (c)

T2🡨 p.pname=c.pname (T1)

T3🡨 T1 – T2

T4🡨 π pname,office,esp,degree,clg# (T3)

2.T1🡨 student ⋈ student#=student# Registration

T2 🡨 T1 ⋈ clg#=clg# collage

T3🡨 Term=931(clgname =physic (city =Esfahan (T2)))

Res 🡨 π student#, lastname (T3)

3.T1 🡨 professor (p) ⋈ p.pname=r.pname Registration(r)

T2 🡨 T1 ⋈ course=c.course course (c)

T3 🡨 T2 ⋈ clg=C.clg collage (C)

T4 🡨 degree=PHD ( term =932( unit=3 ( clgname =computer (T3))))

Res 🡨 π pname (T4)

4.{s.cname | collage (s) and s.clgname=computer and ⱻ c (course (c) and c.unit =3 and c.clg#=s.clg#)}

5.{s.firsname, s.lastname, s.middlename |Student (s) and (ⱻ r) ((Registration (r) and r.term = 931 And r.pname = ‘Montazeri’) and (ⱻ c) (Course (c) and C.unit = 3 and r.Course# = c.Course#))}

6.{a.firstname, a.middlename, a.lastname |Student (a) and a.city =’Esfahan’ and (ⱻ d) (College (d) and d.clgname=’riazi’ and d.clg# = a.clg#)}