Relational Algebra

1.Find out manager details having id more than 1000004 .

Solution:

(MANAGER)



where manager\_id > 1000004 .

2.Find out supervisor id ,first name & last name .

Solution :

(SUPERVISOR)



Supervisor\_id, first\_name ,last\_name

3. Find out manager id & first name whose branch is Dhaka

Solution :

(MANAGER)

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Where branch=’Dhaka’



Manager\_id , first­\_name

4. Find out guard account number who have salary more than 10000.

Solution:

(SALARY)

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Where salary\_amount > 10000

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5. Find out supervisor id , first name & phonr number whose first name is ‘David’

Solution:

(SUPERVISOR)

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Where first\_name=’David’

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Supervisor\_id , first­\_name,Phone\_number

6. Find out guard id , first name , last name & salary for all guards ( Natural join)

Solution:

(Guard\_info joinop Account)



guard\_id , first­\_name,last\_name,salary

7.Find out onwer id & name of their securit guard company. ( Natural join)

Solution:

( OWNER joinop SECURITY\_GUARD\_COMPANY )



Oid,name

8. Find supervisor name & their manager name and also find those supervisor name whose manager is not assignet yet .( Left OJ)

Solution:

( SUPERVISOR joinop MANAGER )



Supervisor name , Manager name

9. Find guard name & their supervisor name and also find those guard name whose supervisor is null . (Left OJ)

Solution:

(GUARD joinop SUPERVISOR )



Guard name Supervisor name

10. Find supervisor name & their manager name and also find those manager name whose supervisor is null.( Rigth OJ)

Solution:

( SUPERVISOR joinop MANAGER )



Supervisor name , Manager name

11. Find guard name & their supervisor name and also find those supervisor name whose guard is not assignet yet .( Right OJ)

Solution:

(GUARD joinop SUPERVISOR )



Guard name Supervisor name

12. Find supervisor name & their manager name and also find those supervisor name whose manager is not assignet yet and those manager whose supervisor in null .(Full OJ)

Solution:

(GUARD joinop SUPERVISOR )



Guard name Supervisor name

13. Find supervisor name & their guard name and also find those supervisor name whose guard is not assignet yet and those guard whose supervisor in null .(Full OJ)

Solution:

(GUARD joinop SUPERVISOR )



Guard name Supervisor name

14.Find out onwer id & name of their securit guard company. (Cartesian product)

Solution:

( OWNER **** SECURITY\_GUARD\_COMPANY )

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Where OWNER.oid= SECURITY\_GUARD\_COMPANY.oid

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Oid,name

15. Find out guard id , first name , last name & salary for all guards (Cartesian product)

Solution:

(Guard\_info ****Account)

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Where Guard\_info.guard\_id=Account.guard\_id



guard\_id , first­\_name,last\_name,salary