Assignment 4

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September 20, 2018

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DEPARTMENT(<u>DepartmentID</u>, Name, OfficeAddress, DepartmentHead, OfficePhone)

EMPLOYEE(<u>EmployeeID</u>, Name, Phone, Email, Address, SSN, Certification)

AFFILIATION(<u>EmployeeID</u>, DepartmentID)

ROOM(<u>RoomNumber</u>, Floor, RoomType, Available, RoomPhone)

SHIFT(<u>ShiftID</u>, Date, StartTime, EndTime, EmployeeID, RoomNumber)

PATIENT(<u>PatientID</u>, Name, Phone, Email, Address, SSN, InsuranceNumber)

APPOINTMENT(<u>AppointmentID</u>, Date, StartTime, EndTime, Description, EmployeeID, PatientID, RoomNumber)
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SQL Queries: Select & Join

Join EMPLOYEE and DEPARTMENT

Showing rows 0 - 9 (10 total, Query took 0.0067 seconds.)

select E.EmployeeID, E.Name, E.Certification, D.Name from EMPLOYEE as E, AFFILIATION as A, DEPARTMENT as D where E.EmployeeID=A.EmployeeID and D.DepartmentID=A.DepartmentID

EmployeeID	Name	Certification	Name
1	Sydney Heron	Certified Pediatric Nurse (CPN)	Critical care
2	Reed Adamson	AIDS Certified Registered Nurse (ACRN)	Diagnostic imaging
3	Megan Mostow	Family Nurse Practitioner	Cardiology
4	Sadie Harris	Certified Registered Nurse Anesthetist (CRNA)	Neurology
5	Heather Brooks	Advanced Oncology Certified Nurse (AOCN)	Oncology
6	Meredith Grey	Certified Pediatric Nurse (CPN)	Haematology
7	Erica Hahn	AIDS Certified Registered Nurse (ACRN)	Anaesthetics
8	Addison Montgomery	Family Nurse Practitioner	Chaplaincy
9	Arizona Robbins	Certified Registered Nurse Anesthetist (CRNA)	Microbiology
10	Amelia Shepherd	Advanced Oncology Certified Nurse (AOCN)	Accident and emergency (A&E)

Join EMPLOYEE and ROOM and SHIFT

Showing rows 0 - 9 (10 total, Query took 0.0121 seconds.)

select E.EmployeeID, E.Name, R.RoomNumber, R.RoomType, S.StartTime, S.EndTime, count() as NumberOfShifts from EMPLOYEE as E, ROOM as R, SHIFT as S where E.EmployeeID=S.EmployeeID and S.RoomNumber=R.RoomNumber group by E.EmployeeID order by count() desc

EmployeeID	Name	RoomNumber	RoomType	StartTime	EndTime	NumberOfShifts
7	Erica Hahn	1	Surgery	09:30:00	15:40:00	3
3	Megan Mostow	4	ER	10:00:00	17:00:00	3
5	Heather Brooks	2	Consulting	09:45:00	18:30:00	2
2	Reed Adamson	1	Surgery	09:00:00	15:00:00	2
10	Amelia Shepherd	8	Operating Room	10:10:00	18:50:00	2
4	Sadie Harris	10	A&E	09:00:00	17:00:00	2
9	Arizona Robbins	7	Nursery	09:00:00	16:40:00	2
6	Meredith Grey	3	Dispensary	10:00:00	17:10:00	2
8	Addison Montgomery	9	High Dependency Unit	08:00:00	15:45:00	1
1	Sydney Heron	3	Dispensary	09:00:00	18:00:00	1

Join EMPLOYEE and ROOM and PATIENT

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and A.RoomNumber=R.RoomNumber
and A.PatientID=P.PatientID;
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Showing rows 0 - 4 (5 total, Query took 0.0094 seconds.)

select R.RoomType, E.Name as EmployeeInCharge, E.Certification, P.Name as Patient-Name, A.Description from EMPLOYEE as E , ROOM as R , PATIENT as P, APPOINT-MENT as A where A.EmployeeID=E.EmployeeID and A.RoomNumber=R.RoomNumber and A.PatientID=P.PatientID

RoomType	EmployeeInCharge	Certification	PatientName	Description
Consulting	Megan Mostow	Family Nurse Practitioner	Joan Romero	Constitutional - NAD, has been generally feel
ICU	Sydney Heron	Certified Pediatric Nurse (CPN)	Melvin Porter	Cardiovascular: dyspnea on exertion; denies c
Dispensary	Reed Adamson	AIDS Certified Registered Nurse (ACRN)	Davis Patrick	Constitutional: Intermittent chills with decr
Surgery	Sadie Harris	Certified Registered Nurse Anesthetist (CRNA)	Aaron Hawkins	Constitutional: denies anorexia and weight lo
High Dependency Unit	Heather Brooks	Advanced Oncology Certified Nurse (AOCN)	Lawrence Moreno	Cardiovascular – denies chest pain; denies pa

Join ROOM and EMPLOYEE and DEPARTMENT and APPOINTMENT and PATIENT

Showing rows 0 - 4 (5 total, Query took 0.0131 seconds.)

select E.Name as EmployeeInCharge, E.Certification, D.Name as Department, P.Name as PatientName, R.RoomType, A.StartTime as AppointmentStartTime, A.EndTime as AppointmentEndTime from EMPLOYEE as E , APPOINTMENT as A , DEPARTMENT as D , ROOM as R, AFFILIATION as A2, PATIENT as P where E.EmployeeID=A.EmployeeID and E.EmployeeID=A2.EmployeeID and A2.DepartmentID=D.DepartmentID and A.RoomNumber=R.RoomNumber and A.PatientID=P.PatientID

EmployeeInCharge	Certification	Department	PatientName	RoomType	AppointmentStartTime	AppointmentEndTime
Megan Mostow	Family Nurse Practitioner	Cardiology	Joan Romero	Consulting	14:00:00	15:00:00
Sydney Heron	Certified Pediatric Nurse (CPN)	Critical care	Melvin Porter	ICU	10:00:00	12:00:00
Reed Adamson	AIDS Certified Registered Nurse (ACRN)	Diagnostic imaging	Davis Patrick	Dispensary	16:00:00	17:30:00
Sadie Harris	Certified Registered Nurse Anesthetist (CRNA)	Neurology	Aaron Hawkins	Surgery	09:30:00	14:15:00
Heather Brooks	Advanced Oncology Certified	Oncology	Lawrence Moreno	High Dependency Unit	14:45:00	15:30:00