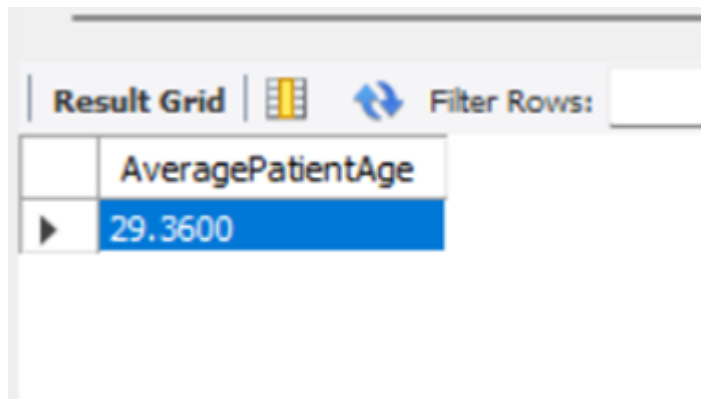


Output Results of InstaHMS

Query Output Results

Simple Queries

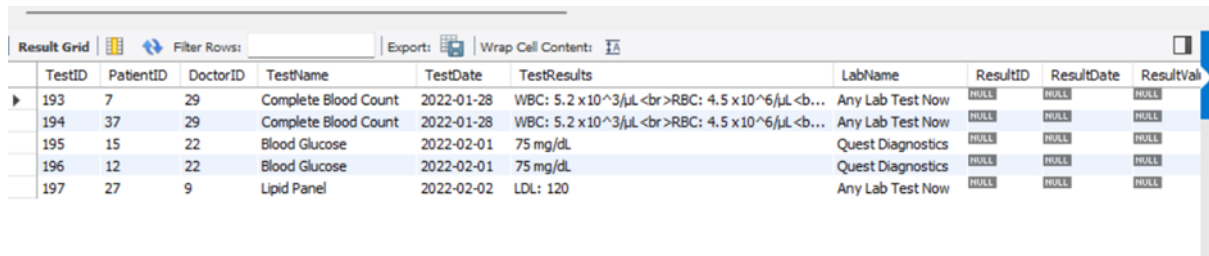
1. Display the average age of the patients



The screenshot shows the InstaHMS interface. At the top, there is a 'Result Grid' tab and a 'Filter Rows' button. Below this, a table displays the result of a query. The first row shows the column name 'AveragePatientAge' and the corresponding value '29.3600'.

AveragePatientAge
29.3600

2. Test Details whose analyzed results are yet to arrive



The screenshot shows the InstaHMS interface with a table displaying test details. The table has columns for TestID, PatientID, DoctorID, TestName, TestDate, TestResults, LabName, ResultID, ResultDate, and ResultVal. The data is as follows:

TestID	PatientID	DoctorID	TestName	TestDate	TestResults	LabName	ResultID	ResultDate	ResultVal
193	7	29	Complete Blood Count	2022-01-28	WBC: 5.2 x10^3/μL RBC: 4.5 x10^6/μL <b...	Any Lab Test Now	HULL	HULL	HULL
194	37	29	Complete Blood Count	2022-01-28	WBC: 5.2 x10^3/μL RBC: 4.5 x10^6/μL <b...	Any Lab Test Now	HULL	HULL	HULL
195	15	22	Blood Glucose	2022-02-01	75 mg/dL	Quest Diagnostics	HULL	HULL	HULL
196	12	22	Blood Glucose	2022-02-01	75 mg/dL	Quest Diagnostics	HULL	HULL	HULL
197	27	9	Lipid Panel	2022-02-02	LDL: 120	Any Lab Test Now	HULL	HULL	HULL

Subqueries

3. Find all the surgeries that were performed in a specific department

Result Grid							
Filter Rows:							
Edit:							
Export/Import:							
Wrap Cell Content:							
	SurgeryID	PatientID	DoctorID	SurgeryType	SurgeryDate	AnesthesiaInformation	PostOpCareInstructions
▶	1	1	1	Appendectomy	2022-02-01	General	Rest and avoid strenuous activity for 2 weeks
	6	6	1	Hernia Repair	2022-01-15	General Anesthesia	Rest for 1-2 days
	11	11	1	Appendectomy	2022-01-28	General Anesthesia	Rest for 1-2 days
	16	16	1	Hernia Repair	2022-02-12	General Anesthesia	Rest for 1-2 days
	20	20	1	Mastectomy	2022-07-05	General anesthesia	Rest for 1 week, avoid lifting anything heavy
	27	27	1	Colonoscopy	2022-10-11	Sedation	Drink plenty of fluids and avoid hard foods. Res...
	29	29	1	Hernia Repair	2022-01-09	General anesthesia	Rest for 24 hours, avoid strenuous activity for ...
	34	34	1	Mastectomy	2022-01-14	General anesthesia	Rest for 1-2 weeks, avoid heavy lifting or stren...
	42	42	1	Hernia repair	2023-05-01	General anesthesia	Wear a support garment as directed by the Doc...
	44	44	1	Appendectomy	2023-07-10	General anesthesia	Take pain medication as directed by the Doctor_T
	2	2	2	Tonsillectomy	2022-01-25	Local	Gargle with salt water, avoid hard foods for 1 w...

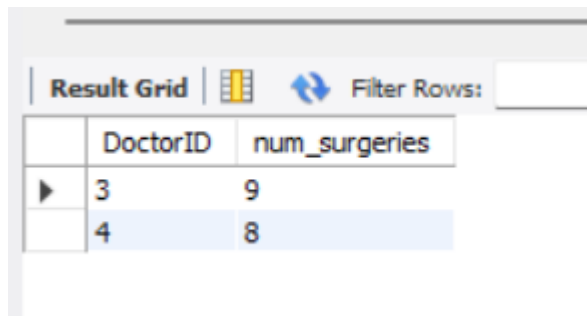
surgery_t 3 x

4. Aggregate Fn Used - 4. Find all the employees who make more than the average salary in their department

Result Grid						
Filter Rows:						
Edit:						
Export/Import:						
	EmployeeID	UserID	DepartmentID	EmployeePosition	Salary	HireDate
▶	3	3	2	Neurologist	175000	2019-07-01
	5	5	3	Oncologist	200000	2018-05-01
	7	7	4	Orthopedic Surgeon	225000	2017-09-01
	9	9	5	Pediatrician	175000	2019-01-01
	11	11	6	Dermatologist	180000	2018-02-01
	13	13	7	Ophthalmologist	190000	2019-08-15
	15	15	8	Gastroenterologist	195000	2017-10-01
	17	17	9	Obstetrician/Gynecologist	220000	2018-03-15
	19	19	10	Psychiatrist	200000	2019-02-01
	21	21	11	Radiologist	210000	2017-11-01
	23	23	12	Anesthesiologist	220000	2019-01-15

employee_t 4 x

5. Find the number of surgeries performed by each doctor in the Neurology department

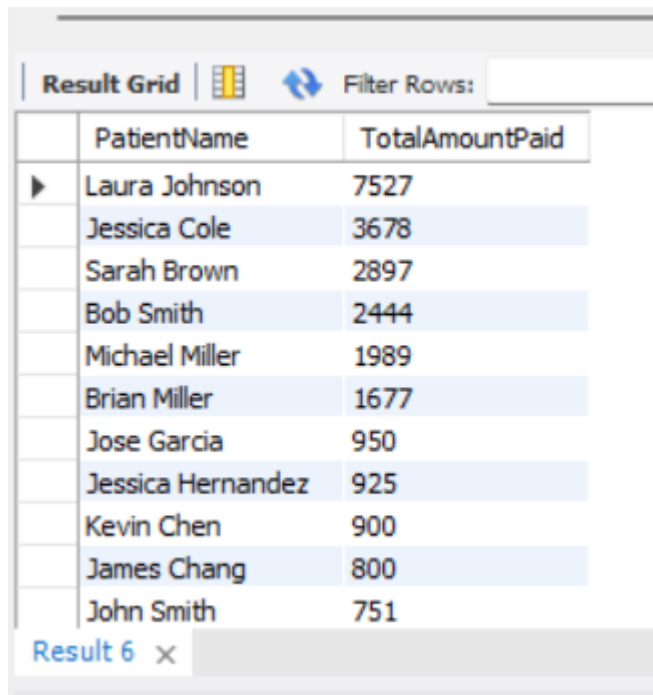


The screenshot shows a SQL query result grid with the following data:

	DoctorID	num_surgeries
▶	3	9
	4	8

Inner Joins

6. Total Amount paid by each customer to the hospital



The screenshot shows a SQL query result grid with the following data:

	PatientName	TotalAmountPaid
▶	Laura Johnson	7527
	Jessica Cole	3678
	Sarah Brown	2897
	Bob Smith	2444
	Michael Miller	1989
	Brian Miller	1677
	Jose Garcia	950
	Jessica Hernandez	925
	Kevin Chen	900
	James Chang	800
	John Smith	751

Result 6 ×

7. Display the Medication and Dosage Information of a patient along with the condition of the patient and the prescribed doctor's name, for a 'nurse' or 'pharmacist' with the help of patient details (Mobile Number, DateOfBirth).

Result Grid				
Filter Rows: <input type="text"/>				
Export: <input type="button" value="Export"/> Wrap Cell				
	MedicationName	DosageInstructions	PrescriberName	Diagnosis
▶	Wellbutrin	50mg,once a day	Laura Johnson	Influenza

Result 7 ×

8. Display the inventory requests yet to be approved and ordered by the requested date

Result Grid			
Filter Rows: <input type="text"/>			
	RequestID	InventoryID	QuantityRequested
▶	12	12	2
	7	7	500
	50	50	1000
	32	32	50
	10	10	10
	28	28	1000
	27	27	1000
	3	3	1000
	39	39	1
	45	45	1
	18	18	50

Result 8 ×

9. Check if the bill generated date for the patients is within the policy coverage dates.

Result Grid			
Filter Rows:			
	PatientID	PolicyStartDate	PolicyEndDate
▶	2	2019-06-15	2022-06-14
	4	2021-03-01	2022-02-28
	5	2022-01-01	2022-12-31
	6	2021-07-01	2022-06-30
	8	2022-01-01	2022-12-31
	11	2022-01-01	2022-12-31
	12	2021-04-01	2022-03-31
	14	2022-01-01	2022-12-31
	15	2021-06-01	2022-05-31
	38	2021-05-01	2022-05-01

Result 9 ×

10. Display the past lab results of the patient with the help of patient details (Mobile Number, DateOfBirth).

Result Grid				
Filter Rows:				
Export: Wr				
	TestName	DoctorName	TestDate	ResultValue
▶	Lipid Panel	Brian Miller	2022-05-03	Low HDL
	Complete Blood Count	Sean Brown	2022-01-28	Normal
	Complete Blood Count	Sean Brown	2022-01-28	Normal

11. Display all imaging records for a patient with the help of patient details (Mobile Number, DateOfBirth).

Result Grid				
Filter Rows:				
Export: Wrap Cell Cor				
	ImagingType	ImagingDate	ImagingResults	DoctorName
▶	Ultrasound	2022-03-22	Fetal heartbeat detected	David Rodriguez

12. Display the all billing, payment, and insurance details of a patient based on the patient's mobile number and Date Of Birth.

Result Grid									
Filter Rows:									
Export:									
Wrap Cell Content:									
PatientName	ProviderName	PolicyNumber	TotalCost	BillingDate	Covered	PaymentInformation	PolicyStartDate	PolicyEndDate	
Laura Johnson	United Healthcare	POL0016	1000	2023-03-01	N	Credit card	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	305	2023-03-08	N	Debit card	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	426	2023-03-09	N	Credit card	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	981	2023-03-10	N	PayPal	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	125	2023-03-11	N	Cash	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	325	2023-03-12	N	Debit card	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	726	2023-03-13	N	Credit card	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	150	2023-03-14	N	PayPal	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	95	2023-03-15	N	Cash	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	200	2023-03-16	N	Debit card	2022-02-01	2023-01-31	
Laura Johnson	United Healthcare	POL0016	426	2023-03-17	N	Credit card	2022-02-01	2023-01-31	

Left Outer Join

13. To see all the patients who have been prescribed medication but have not been billed yet.

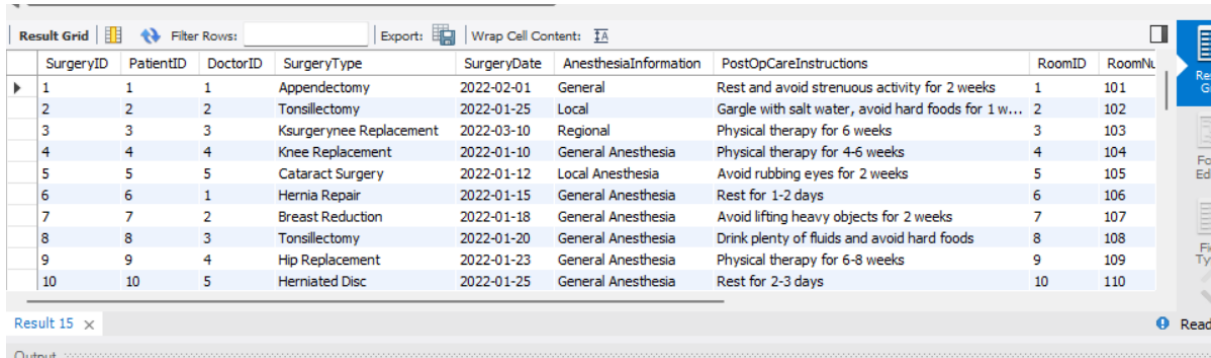
Result Grid									
Filter Rows:									
Export:									
Wrap Cell Content:									
PrescriptionID	RecordID	DoctorID	MedicationName	DosageInstructions	PharmacyInformation	BillingID	PatientID		
22	22	22	Nexium	Take 1 capsule daily before a meal	ABC Pharmacy, 123 Main St, Anytown, USA	NULL	NULL		
23	23	23	Advair	Take 1 inhalation twice daily	XYZ Pharmacy, 456 Broadway, Anytown, USA	NULL	NULL		
24	24	24	Zyrtec	Take 1 tablet daily	GHI Pharmacy, 321 Oak St, Anytown, USA	NULL	NULL		
25	25	25	Prilosec	Take 1 tablet daily before a meal	JKL Pharmacy, 987 Pine St, Anytown, USA	NULL	NULL		
26	26	26	Benadryl	Take 1-2 tablets every 4-6 hours	ABC Pharmacy, 123 Main St, Anytown, USA	NULL	NULL		
27	27	27	Plavix	Take 1 tablet daily	MNO Pharmacy, 654 Maple St, Anytown, USA	NULL	NULL		
28	28	28	Albuterol	Take 1-2 inhalations every 4-6 hours as needed	XYZ Pharmacy, 456 Broadway, Anytown, USA	NULL	NULL		
29	29	29	Prozac	Take 1 capsule daily	GHI Pharmacy, 321 Oak St, Anytown, USA	NULL	NULL		
30	30	30	Crestor	Take 1 tablet daily	JKL Pharmacy, 987 Pine St, Anytown, USA	NULL	NULL		
31	31	31	Xanax	Take 1 tablet every 6-8 hours as needed	DEF Pharmacy, 789 Elm St, Anytown, USA	NULL	NULL		

14. Find all doctors who have not performed any surgeries:

Result Grid									
Filter Rows:									
Export:									
Wrap Cell Content:									
DoctorID	UserID	Specialization	LicenseInformation	AppointmentSchedule	SurgeryID	PatientID	DoctorID	SurgeryType	SurgeryDate
7	7	Psychiatry	NY0987654	Monday-Friday, 8AM-4PM	NULL	NULL	NULL	NULL	NULL
8	8	Urology	TX5678901	Monday-Saturday, 10AM-8PM	NULL	NULL	NULL	NULL	NULL
9	9	Obstetrics	CA6543210	Monday-Friday, 9AM-5PM	NULL	NULL	NULL	NULL	NULL
10	10	Gynecology	IL3210987	Tuesday-Saturday, 10AM-6PM	NULL	NULL	NULL	NULL	NULL
12	12	Pulmonology	FL5678910	Monday-Saturday, 10AM-8PM	NULL	NULL	NULL	NULL	NULL
13	13	Hematology	NY6789012	Monday-Friday, 9AM-5PM	NULL	NULL	NULL	NULL	NULL
15	15	Infectious Disease	CA8901234	Monday-Friday, 8AM-4PM	NULL	NULL	NULL	NULL	NULL
16	16	Gastroenterology	IL9012345	Monday-Saturday, 10AM-8PM	NULL	NULL	NULL	NULL	NULL
17	17	Nephrology	GA0123456	Monday-Friday, 9AM-5PM	NULL	NULL	NULL	NULL	NULL
18	18	Orthopedics	FL1234567	Tuesday-Saturday, 10AM-6PM	NULL	NULL	NULL	NULL	NULL

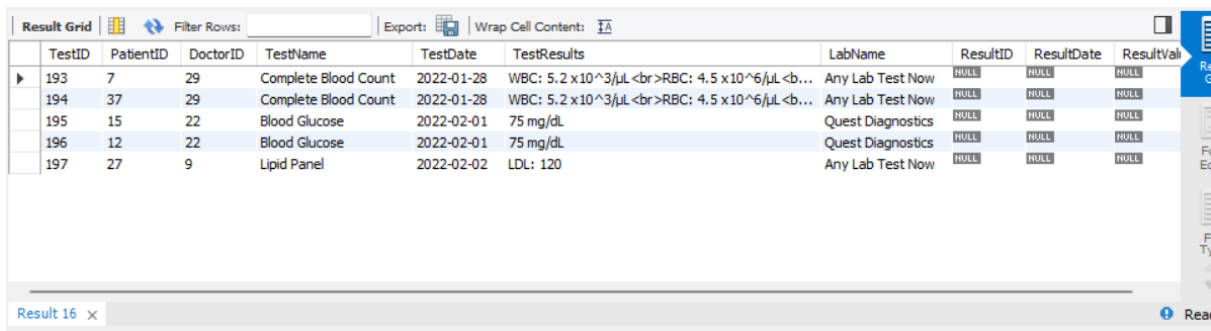
Right Outer Join

15. To see all the surgeries scheduled, including any that do not have a room assigned yet:



SurgeryID	PatientID	DoctorID	SurgeryType	SurgeryDate	AnesthesiaInformation	PostOpCareInstructions	RoomID	RoomNo
1	1	1	Appendectomy	2022-02-01	General	Rest and avoid strenuous activity for 2 weeks	1	101
2	2	2	Tonsillectomy	2022-01-25	Local	Gargle with salt water, avoid hard foods for 1 w...	2	102
3	3	3	Ksurgerynee Replacement	2022-03-10	Regional	Physical therapy for 6 weeks	3	103
4	4	4	Knee Replacement	2022-01-10	General Anesthesia	Physical therapy for 4-6 weeks	4	104
5	5	5	Cataract Surgery	2022-01-12	Local Anesthesia	Avoid rubbing eyes for 2 weeks	5	105
6	6	1	Hernia Repair	2022-01-15	General Anesthesia	Rest for 1-2 days	6	106
7	7	2	Breast Reduction	2022-01-18	General Anesthesia	Avoid lifting heavy objects for 2 weeks	7	107
8	8	3	Tonsillectomy	2022-01-20	General Anesthesia	Drink plenty of fluids and avoid hard foods	8	108
9	9	4	Hip Replacement	2022-01-23	General Anesthesia	Physical therapy for 6-8 weeks	9	109
10	10	5	Herniated Disc	2022-01-25	General Anesthesia	Rest for 2-3 days	10	110

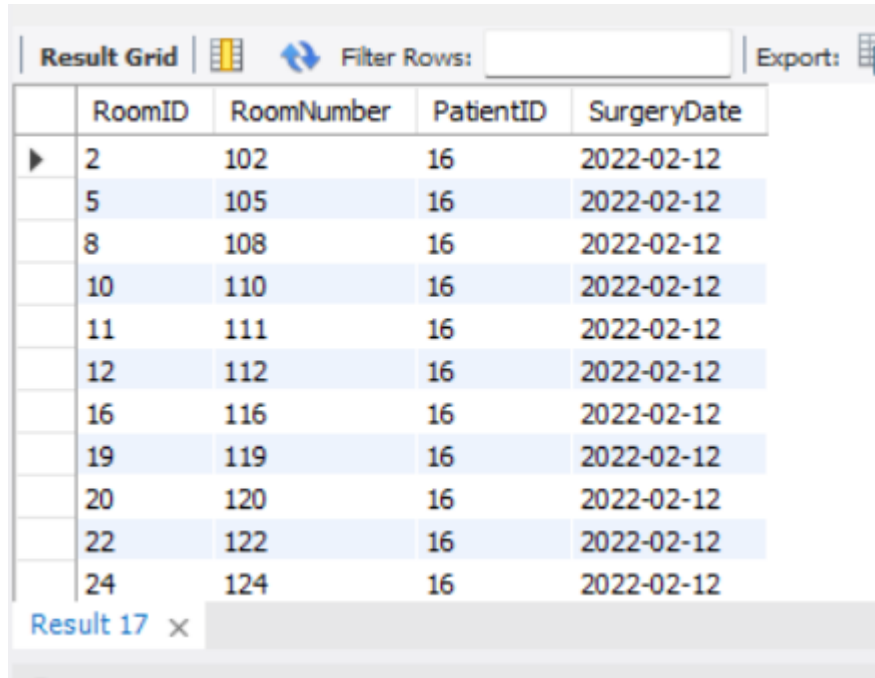
16. Display the patients whose Lab Test Details whose analyzed results are yet to arrive



TestID	PatientID	DoctorID	TestName	TestDate	TestResults	LabName	ResultID	ResultDate	ResultVal
193	7	29	Complete Blood Count	2022-01-28	WBC: 5.2 x 10^3/μL RBC: 4.5 x 10^6/μL <b...	Any Lab Test Now	NULL	NULL	NULL
194	37	29	Complete Blood Count	2022-01-28	WBC: 5.2 x 10^3/μL RBC: 4.5 x 10^6/μL <b...	Any Lab Test Now	NULL	NULL	NULL
195	15	22	Blood Glucose	2022-02-01	75 mg/dL	Quest Diagnostics	NULL	NULL	NULL
196	12	22	Blood Glucose	2022-02-01	75 mg/dL	Quest Diagnostics	NULL	NULL	NULL
197	27	9	Lipid Panel	2022-02-02	LDL: 120	Any Lab Test Now	NULL	NULL	NULL

Cross Join

17. Cross Join to find the possible rooms that can be allocated for a patient who's going to undergo surgery

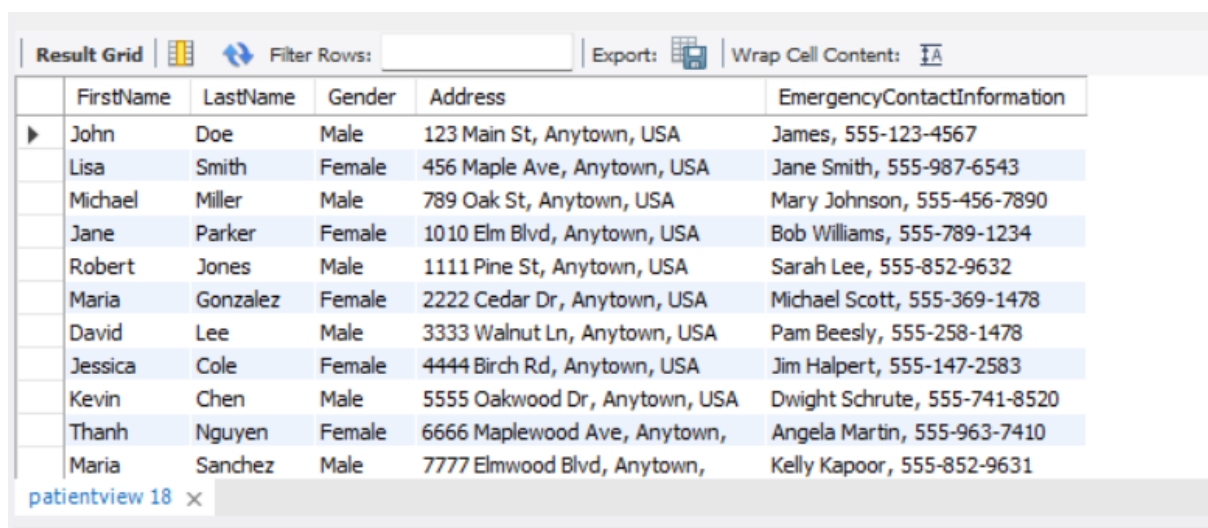


	RoomID	RoomNumber	PatientID	SurgeryDate
▶	2	102	16	2022-02-12
	5	105	16	2022-02-12
	8	108	16	2022-02-12
	10	110	16	2022-02-12
	11	111	16	2022-02-12
	12	112	16	2022-02-12
	16	116	16	2022-02-12
	19	119	16	2022-02-12
	20	120	16	2022-02-12
	22	122	16	2022-02-12
	24	124	16	2022-02-12

Result 17 x

Views

1. Hide the personal details of patients when the data is being operated by users like Receptionists



	FirstName	LastName	Gender	Address	EmergencyContactInformation
▶	John	Doe	Male	123 Main St, Anytown, USA	James, 555-123-4567
	Lisa	Smith	Female	456 Maple Ave, Anytown, USA	Jane Smith, 555-987-6543
	Michael	Miller	Male	789 Oak St, Anytown, USA	Mary Johnson, 555-456-7890
	Jane	Parker	Female	1010 Elm Blvd, Anytown, USA	Bob Williams, 555-789-1234
	Robert	Jones	Male	1111 Pine St, Anytown, USA	Sarah Lee, 555-852-9632
	Maria	Gonzalez	Female	2222 Cedar Dr, Anytown, USA	Michael Scott, 555-369-1478
	David	Lee	Male	3333 Walnut Ln, Anytown, USA	Pam Beesly, 555-258-1478
	Jessica	Cole	Female	4444 Birch Rd, Anytown, USA	Jim Halpert, 555-147-2583
	Kevin	Chen	Male	5555 Oakwood Dr, Anytown, USA	Dwight Schrute, 555-741-8520
	Thanh	Nguyen	Female	6666 Maplewood Ave, Anytown,	Angela Martin, 555-963-7410
	Maria	Sanchez	Male	7777 Elmwood Blvd, Anytown,	Kelly Kapoor, 555-852-9631

patientview 18 x

2. Display the total amount paid by each Patient along with a patient name for the accounts team hiding all other personal details

1927 • `Select * from TotalAmountPaidByEachPatient;`

Result Grid | Filter Rows: | Export: | Wrap

	PatientName	TotalAmountPaid
▶	Laura Johnson	7527
	Jessica Cole	3678
	Sarah Brown	2897
	Bob Smith	2444
	Michael Miller	1989
	Brian Miller	1677
	Jose Garcia	950
	Jessica Hernandez	925
	Kevin Chen	900
	James Chang	800
	John Smith	751

TotalAmountPaidByEachPatient... x

Stored Functions

1. Write a function to find the patient id using DOB and mobile number for users like pharmacists, receptionists.

1952 `SELECT find_patient_id('+1 123-456-7890', '1980-01-01') AS PatientID; #1 "John", "Doe"`
1953 • `SELECT find_patient_id('+1 456-789-0123', '1988-08-08') AS PatientID; #4 "Jane", "Parker"`

Result Grid | Filter Rows: | Export: | Wrap Cell Content: |

	PatientID
▶ 1	

2. Display the unique ids of the patients whose insurance is going to expire within the next 30 days from the current date.

```
1976 • #Check for insurance expiring in 30 days on '2023-04-29'
1977 SELECT insurance_expiring_soon('2023-04-29');
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

insurance_expiring_soon('2023-04-29')
42

3. Retrieves the appointment details for a specific patient

```
1996 • #Get the appointment timing for patient with ID 1
1997 SELECT get_appointment_details_for_patient(1);
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

get_appointment_details_for_patient(1)
2015-03-22 09:00:00

4. Update or insert an inventory after checking if that item is existing or not, return the InventoryID

Before Update

```
2037 select * from inventory_t;
2038 • SELECT update_or_insert_inventory_item('Syringes', '20ml, sterile, disposable',
2039 1000, 0.25, 'ABC Medical Supplies, 123 Main St, Denver USA');
2040 #OLD RECORD
2041 #1 Syringes 5ml, sterile, disposable 500 0.25 ABC Medical Supplies, 123 Main St, Anytown USA
2042
```

Result Grid Filter Rows: Edit: Export/Import: Wrap Cell Content:						
InventoryID	ItemName	ItemDescription	Quantity	Cost	SupplierInformation	
1	Syringes	5ml, sterile, disposable	500	0.25	ABC Medical Supplies, 123 Main St, Anytown USA	
2	Surgical Masks	3-ply, disposable, earloop	1000	0.10	XYZ Medical Supply Co., 456 Oak St, Anytown ...	
3	Exam Gloves	Latex-free, medium, powder-free	1000	0.20	DEF Medical Supply Inc., 789 Maple St, Anytow...	
4	Isopropyl Alcohol	70%, 1 gallon bottle	10	20.00	GHI Medical Supply Corp., 321 Elm St, Anytown...	
5	Digital Thermometer	Oral, waterproof, battery-powered	50	15.00	JKL Medical Equipment Co., 789 Birch St, Anyto...	
6	Blood Pressure Cuff	Adult, manual, latex-free	20	40.00	MNO Medical Supplies LLC, 234 Pine St, Anytow...	
7	Gauze Pads	4" x 4", sterile, non-woven	500	0.15	PQR Medical Supply Co., 567 Cedar St, Anytow...	
8	IV Catheters	20 gauge, 1.5 inch, with wings	200	2.50	STU Medical Supplies Inc., 890 Maple St, Anyto...	
9	Electrode Pads	Adult, 2" x 2", disposable	100	5.00	VWX Medical Equipment Co., 123 Birch St, Anyt...	
10	Oxygen Tanks	Portable, aluminum, with regulator	10	200.00	YZA Medical Supply Corp., 456 Oak St, Anytow...	
11	Wheelchair	Foldable, lightweight, with footrests	5	300.00	ABC Medical Equipment Co., 789 Pine St, Anyto...	

After Update

```
2040 • select * from inventory_t;
2041 • SELECT update_or_insert_inventory_item('Syringes', '5ml, sterile, disposable',
2042     1000, 0.25, 'ABC Medical Supplies, 123 Main St, Denver USA');
2043 #OLD RECORD
2044 #1 Syringes 5ml, sterile, disposable 500 0.25 ABC Medical Supplies, 123 Main
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	update_or_insert_inventory_item('Syringes', '5ml, sterile, disposable', 1000, 0.25, 'ABC Medical Supplies, 123 Main St, Denver USA')			
▶	1			

Result 29 x

5. check if the item already exists in the inventory table and returns the updated status

```
2079 • #Testing:
2080 SELECT update_inventory_item(1, 1000, 0.30, 'ABC Medical Supplies, 123 Main St, Denver USA'); #'Updated successfully'
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	update_inventory_item(1, 1000, 0.30, 'ABC Medical Supplies, 123 Main St, Denver USA')			
▶	Updated successfully			

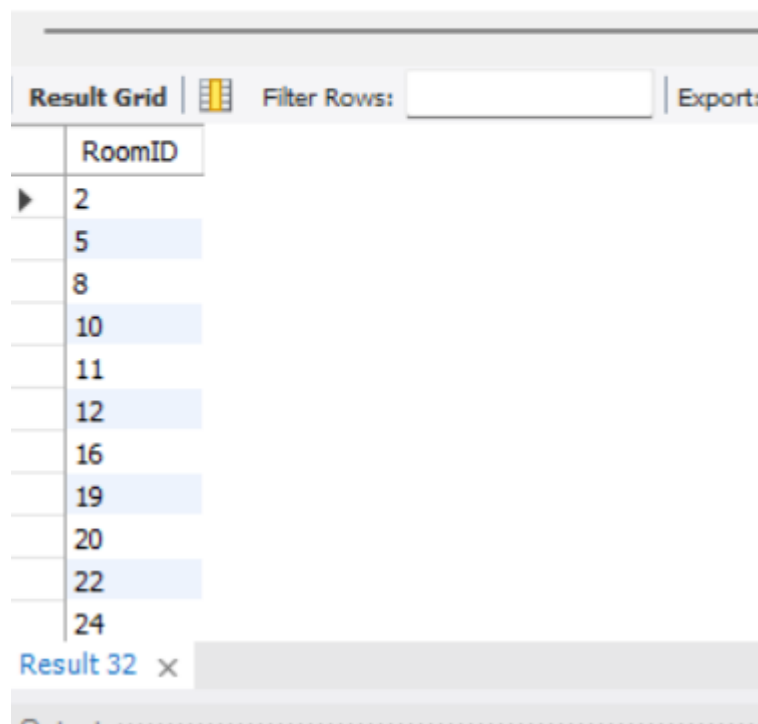
```
2080 SELECT update_inventory_item(1, 1000, 0.30, 'ABC Medical Supplies, 123 Main St, Denver USA'); #'Updated successfully'
2081 • SELECT update_inventory_item(71, 1000, 0.30, 'ABC Medical Supplies, 123 Main St, Denver USA'); #'Update Failed!'
2082
```

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	update_inventory_item(71, 1000, 0.30, 'ABC Medical Supplies, 123 Main St, Denver USA')			
▶	Update Failed!			

Stored Procedures

1. Display the room id or number of the vacant rooms

```
2097 #Instance of SP to Display vacant  
2098 CALL display_vacant_rooms();  
2099  
2100  
2101
```



The screenshot shows a database query result grid. At the top, there is a tab labeled 'Result Grid' with a grid icon, a 'Filter Rows:' input field, and an 'Export:' button. Below this, a table is displayed with a single column header 'RoomID'. The table contains 12 rows of data, with the first row highlighted in blue. The room IDs listed are 2, 5, 8, 10, 11, 12, 16, 19, 20, 22, and 24. At the bottom of the grid, there is a label 'Result 32' followed by a close button 'x'.

RoomID
2
5
8
10
11
12
16
19
20
22
24

2. Update the inventory requests in the supply_requests table with the new status by an employee for a particular inventory item identified with the help of a unique inventory item

Before update

```

2122 • call update_inventory_request(2,2,'Approved');
2123 • SELECT * FROM supply_request_t WHERE inventoryID = 2 AND employeeID = 2

```

Result Grid						
Filter Rows: <input type="text"/>						
Edit:						
Export/Import:						
Wrap Cell Content:						
	RequestID	InventoryID	EmployeeID	QuantityRequested	DateRequested	RequestStatusID
▶	1	1	1	500	2023-02-09	1
	2	2	2	1000	2023-03-06	2
	3	3	3	1000	2022-04-16	3
	4	4	4	10	2022-07-05	1
	5	5	5	50	2022-12-24	2
	6	6	6	20	2023-03-11	3
	7	7	7	500	2022-03-06	1
	8	8	8	200	2023-03-16	2
	9	9	9	100	2023-01-19	3
	10	10	10	10	2022-03-30	1
	11	11	11	5	2022-09-17	2

supply_request_t33 x

After Update

```

2122 • call update_inventory_request(2,2,'Approved');
2123 • SELECT * FROM supply_request_t WHERE inventoryID = 2 AND employeeID = 2 ;
2124

```

Result Grid						
Filter Rows: <input type="text"/>						
Edit:						
Export/Import:						
Wrap Cell Content:						
	RequestID	InventoryID	EmployeeID	QuantityRequested	DateRequested	RequestStatusID
▶	2	2	2	1000	2023-03-06	1
*	NULL	NULL	NULL	NULL	NULL	NULL

3. Reschedule the latest appointment of a patient with a specific doctor to a new requested date and time

Before Update

```

2145 • call reschedule_appointment( 2023-03-01 , 11:00:00 , 1,1);
2146 • SELECT * FROM Appointment_T WHERE PatientID = 1 AND DoctorID = 1;
2147

```

Result Grid							
Filter Rows: <input type="text"/>							
Edit:							
Export/Import:							
Wrap Cell Content:							
	AppointmentID	PatientID	DoctorID	AppointmentDate	AppointmentTime	ReasonForVisit	AppointmentStatus
▶	1	1	1	2015-03-22	09:00:00	Annual check-up	Completed
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

After Update

2146 • `SELECT * FROM Appointment_T WHERE PatientID = 1 AND DoctorID = 1;`

2147

AppointmentID	PatientID	DoctorID	AppointmentDate	AppointmentTime	ReasonForVisit	AppointmentStatus
1	1	1	2023-08-01	11:00:00	Annual check-up	Completed
NULL	NULL	NULL	NULL	NULL	NULL	NULL

Triggers

1. Assign 'Patient' as default 'UserRole' if not specified while a new user registers into the system

2272 • `select * from user_t where username='sahanar';`

UserID	Username	userPassword	FirstName	LastName	Email	PhoneNumber	UserRole
351668	sahanar	4b43b0aee35624cd95b910189b3dc231	Sahana	Ram	sr29@gmail.com	000-000-022	Patient
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

2. Store the emergency contact information of a patient before updating into a backup (archive log table)

Screenshot of the data in the patient records before updating

2285 • `#Testing trigger update_emergency_contact`
 2286 `#Let's register a new patient details into system`
 2287 `INSERT INTO Patient_T (PatientID, UserID, EmergencyContactInformation)`
 2288 `VALUES (101, 1, 'John Smith - 555-1234');`
 2289 `#See the inserted patientID along with the emergency infomation before updating the emergency infomation`
 2290 • `SELECT PatientID, EmergencyContactInformation FROM Patient_T WHERE PatientID = 101;`
 2291 `#updating emergency contact`
 2292 • `UPDATE Patient_T`

PatientID	EmergencyContactInformation
101	John Smith - 555-1234
NULL	NULL

Screenshot of the data in the patient records after updating

2285	•	#Testing trigger update_emergency_contact
2286		#Let's register a new patient details into system
2287		INSERT INTO Patient_T (PatientID, UserID, EmergencyContactInformation)
2288		VALUES (101, 1, 'John Smith - 555-1234');
2289		#See the inserted patientID along with the emergency infromation before updating the emergency infromation
2290	•	SELECT PatientID, EmergencyContactInformation FROM Patient_T WHERE PatientID = 101;
2291		#updating emergency contact
2292	•	UPDATE Patient_T
2293		SET EmergencyContactInformation = 'Jane Doe - 555-5678'
2294		WHERE PatientID = 101;
2295		#See the data of the patient in the patient records after updating
2296	•	SELECT PatientID, EmergencyContactInformation FROM Patient_T WHERE PatientID = 101;
2297		#See the inserted patientID along with the emergency information after updating the emergency information

100%	1:2296
Result Grid	
Filter Rows: <input type="text" value="Search"/>	
Edit:	
Export/Import:	
PatientID	EmergencyContactInformat...
101	Jane Doe - 555-5678
NULL	NULL

Screenshot of the data in the patient archive log records after updating

285	•	#Testing trigger update_emergency_contact
286		#Let's register a new patient details into system
287		INSERT INTO Patient_T (PatientID, UserID, EmergencyContactInformation)
288		VALUES (101, 1, 'John Smith - 555-1234');
289		#See the inserted patientID along with the emergency infromation before updating the emergency infromation
290	•	SELECT PatientID, EmergencyContactInformation FROM Patient_T WHERE PatientID = 101;
291		#updating emergency contact
292	•	UPDATE Patient_T
293		SET EmergencyContactInformation = 'Jane Doe - 555-5678'
294		WHERE PatientID = 101;
295		#See the data of the patient in the patient records after updating
296	•	SELECT PatientID, EmergencyContactInformation FROM Patient_T WHERE PatientID = 101;
297		#See the inserted patientID along with the emergency infromation after updating the emergency infromation
298	•	SELECT PatientID, EmergencyContactInformation FROM Patient_ArchiveLog_T WHERE PatientID = 101;
299		

00%	1:2298
Result Grid	
Filter Rows: <input type="text" value="Search"/>	
Edit:	
Export/Import:	
PatientID	EmergencyContactInformat...
101	John Smith - 555-1234
NULL	NULL

3. Store the deleted supply request in a backup (archive log table)

343 • #Testing Trigger archive_inventory_requests_deleted
344 #Inserting a supply request
345 INSERT INTO Supply_Request_T (RequestID, InventoryID, EmployeeID, QuantityRequested, DateRequested, RequestStatusID)
346 VALUES (1101,1,1,500,'2023-02-09',1);
347 #Delete the inserted supply request
348 • DELETE FROM Supply_Request_T WHERE RequestID = 1101;
349 #After deleting the specific supply requestCheck with RequestID = 1101, check if the Supply_Request_ArchiveLog_T that supply request
350 • SELECT * FROM Supply_Request_ArchiveLog_T WHERE RequestID = 1101;
351

00% 1:2349

Result Grid Filter Rows: Search Edit: Export/Import:

RequestID	InventoryID	EmployeeID	QuantityRequest...	DateRequested	RequestStatusID
1101	1	1	500	2023-02-09	1
NULL	NULL	NULL	NULL	NULL	NULL