Natasha Linares

Jacob Kitchens

Deliverable 5

Outputs

Stored Procedures and Functions:

1. Procedure: Update Room Status

```
Statement processed.
Room 1000 status changed from VACANT to OCCUPIED
```

2. Procedure: Check Employee Department Funds

```
Statement processed.
Sufficient funds: 100000
```

3. Get Employee Full Name

GET_EMP_FULLNAME(2003)
EMMA CARTER

4. Function: Count Appointments for Patient

COUNT_PATIENT_APPOINTMENTS(2001)
0

Views:

Triggers:

1. Delete Room

DELETE FROM ROOM WHERE ROOM_ID = 5000;

```
1 row(s) deleted.
Deleting room ID: 5000, Status: CLEAN
```

2. Insert new room

INSERT INTO ROOM (ROOM_ID, DEP_ID, ROOM_TYPE, ROOM_CAP) VALUES (5000, 1001, 'NEWTYPE', 2);

ROOM_ID	DEP_ID	ROOM_STAT	ROOM_TYPE	ROOM_CAP
5000	1001	CLEAN	NEWTYPE	2

3. Update employee last name

UPDATE EMPLOYEE SET EMP_LNAME = 'SMITH' WHERE EMP_ID = 1001;

EMP_LNAME	EMP_FNAME
SMITH	EMMA

4. Change room status:

SET SERVEROUTPUT ON; UPDATE ROOM SET ROOM_STAT = 'OCCUPIED' WHERE ROOM_ID=1004;

1004	1000	CLEAN	ICU	5

```
1 row(s) updated.
Room 1004 status changed from CLEAN to OCCUPIED
```

Views:

1. **vw_patient_invoice_summary** – Shows total invoice cost per patient.

SELECT * FROM vw_patient_invoice_summary;

PAT_ID	PAT_LNAME	PAT_FNAME	TOTAL_COST
1015	BENNETT	OMAR	450
1016	MCKINLEY	ZOEY	2648.55
1009	MONROE	KALEB	450

2. **vw_busy_doctors** – Lists doctors with more than 3 appointments.

SELECT * FROM vw_busy_doctors;

EMP_ID	EMP_LNAME	EMP_FNAME	NUM_APPOINTMENTS
3004	REYNOLDS	OLIVIA	4
3199	ALVAREZ	JAMES	5

3. **vw_avg_invoice_by_department** – Shows average invoice cost by department.

SELECT * FROM vw_avg_invoice_by_department;

DEP_NAME	AVG_COST
MEDICAL	295.71

4. **vw_patient_contact** – A simple, updatable view for patient contact info.

SELECT * FROM vw_patient_contact;

PAT_ID	PAT_LNAME	PAT_FNAME	PAT_PNUM
1009	MONROE	KALEB	(212) 555-7483
1010	SINCLAIR	MAYA	(310) 555-1394
1011	WHITMAN	DARIUS	(404) 555-6318
1012	TORRES	LENA	(617) 555-2921
1013	FIELDS	JASPER	(305) 555-9735