

091906T4HRI

HEALTH RECORDS AND INFORMATION TECHNOLOGY LEVEL 6

HE/OS/HR/CR/01/6/A

Manage Health Records Database

March/April 2025



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION COUNCIL  
(TVET CDACC)**

**PRACTICAL ASSESSMENT**

**Time: 2 HOURS**

**INSTRUCTIONS TO CANDIDATE:**

You are provided with the following resources to carry out the task

- Table
- Chair
- Writing material
- Computer with MS Office

1. You are required to perform the following tasks

**TASK 1:** Create a database named *hospital\_db*.

**TASK 2:** Create Tables

After creating your database the next step is creating your tables, but before you start making any

changes to the database, Make sure it is selected. After selecting the database proceed to create the tables using the information provided in the tables above.

### TASK 3.

With regards to patients table write SQL statements to show the following

- a) Update first name field as follows: - Paul, Martha, Nancy & Robin respectively.
- b) On gender field update:- Male, Female, Female & Male respectively
- c) Change Robin's gender to "Custom"
- d) Delete column "language" from the patients table

**Table Name:** patients

FIELD	DATA TYPE	CONSTRAINTS
patient_id	INT	PRIMARY KEY
first_name	VARCHAR	NOT NULL
last_name	VARCHAR	NOT NULL
date_of_birth	DATE	NOT NULL
gender	VARCHAR	NOT NULL
language	VARCHAR	NOT NULL

**Table Name:** providers

FIELD	DATA TYPE	CONSTRAINTS
provider_id	INT	PRIMARY KEY
first_name	VARCHAR	NOT NULL
last_name	VARCHAR	NOT NULL
provider_speciality	VARCHAR	NOT NULL
email_address	VARCHAR	
phone_number	VARCHAR	

date_joined	DATE	NOT NULL
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**Table Name:** visits

FIELD	DATA TYPE	CONSTRAINTS
visit_id	INT	PRIMARY KEY
patient_id	INT	FOREIGN KEY REFERENCES patients(patient_id)
provider_id	INT	FOREIGN KEY REFERENCES providers(provider_id)
date_of_visit	DATE	NOT NULL
date_scheduled	DATE	NOT NULL
visit_department_id	INT	NOT NULL
visit_type	VARCHAR	NOT NULL
blood_pressure_systolic	INT	
blood_pressure_diastolic	DECIMAL	
pulse	DECIMAL	
visit_status	VARCHAR	NOT NULL

**Table Name:** admissions

FIELD	DATA TYPE	CONSTRAINTS
admission_id	INT	PRIMARY KEY
patient_id	INT	FOREIGN KEY REFERENCE patients(patients_id)
admission_date	DATE	NOT NULL
discharge_date	DATE	NOT NULL
discharge_disposition	VARCHAR	NOT NULL
service	VARCHAR	NOT NULL
primary_diagnosis	VARCHAR	NOT NULL

**Table Name:** discharges

<b>FIELD</b>	<b>DATA TYPE</b>	<b>CONSTRAINTS</b>
discharge_id	INT	PRIMARY_KEY
admission_id	INT	FOREIGN KEY REFERENCES
patient_id	INT	admissions(admission_id)
discharge_date	DATE	FOREIGN KEY REFERENCES patients(patients_id)

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