

SQL Structured Query Language

SELECT [field names]
FROM [table name]
WHERE [criteria]

Example
SELECT forename, surname, town
FROM patients
WHERE town = "Chesham"

patient table										
patient ID	first name	surname	DOB	gender	street	town	post code	doctor		
24	Naila	Khan	16/04/1999	female	willow Chase	Chesham	H2	Dr matt Tenant	allergy of nuts an	
25	Noah	Smith	27/11/1987	male	sunny villas	Amersham	HP5 4GF	Dr Christian Baker	lactose intolerant	
26	Ashley	Henry	12/05/2007	female	cotton hickory front	Hemel Hempstead	HP5 5AD	Dr heath Lee	High blood pressure	
27	Grant	Welch	29/08/2000	male	silver pioneer highway	Hemel Hempstead	HP5 7PF	Dr Matt Hurt	nut allergy	
28	Randy	Wells	05/02/1994	male	jagged pond woods	Aylesbury	HP5 2TD	Dr John Smith	Diabetes	
29	Woodrow	Gibbs	04/03/1992	male	harvest hills hill	Chesham	HP5 7JS	Dr matt Tenant	Asthma	
30	Domingo	Ryan	22/10/2012	female	shady fox farm	High Wycombe	HP5 4KL	Dr Christian Baker	Hypertension	

List names of patients living in Chesham

SELECT first name, surname, town
FROM patient table
WHERE town = "Chesham"

first name	surname	town
Naila	Khan	Chesham
Woodrow	Gibbs	Chesham

List names of male patients living in Hemel Hempstead.

SELECT first name, surname, gender, town
FROM patient table
WHERE gender = "male" AND town = "Hemel Hempstead"

first name	surname	gender	town
Grant	Welch	male	Hemel Hempstead

Using wild card (the following will display all fields)

SELECT *
FROM patient table
WHERE town = "Chesham"

List names of male patients and patients living in Hemel Hempstead.

SELECT first name, surname, gender, town
FROM patient table
WHERE gender = "male" OR town = "Hemel Hempstead"

first name	surname	gender	town
Noah	Smith	male	Amersham
Ashley	Henry	female	Hemel Hempstead
Grant	Welch	male	Hemel Hempstead
Randy	Wells	male	Aylesbury
Woodrow	Gibbs	male	Chesham

List all patients with patient IDs between 20 and 30

SELECT *
FROM patient table
WHERE patient ID > 20 and patient ID < 30

Practice

1. List names of patients for Dr Matt Hurt.

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2. List all details of patients for Dr John Smith who are living on shady fox farm

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3. List all males patients with patient ID more than 27

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