

Sardar Vallabhbhai National Institute of Technology, Surat
Artificial Intelligence Department
B.Tech II - III Semester
Database management systems
Assignment 3

- SQL includes a string-matching operator for comparisons on character strings. The operator “like” uses patterns that are described using two special characters:
 - 1) percent (%). The % character matches any substring.
 - 2) underscore (_). The _ character matches any character.

Ex: Find the names of all instructors whose name includes the substring “dar”.

select name

from instructor

where name like '%dar%'

- SQL Wildcard Characters
A wildcard character is used to substitute one or more characters in a string.
Wildcard characters are used with the LIKE operator. The LIKE operator is used in a WHERE clause to search for a specified pattern in a column.

1. Use Employee table from Assignment 2.

- 1) Display the list of employees whose name starts with ‘A’.
- 2) Add a new column named city and display the list of employees whose city starts with letter ‘m’.
- 3) display the list of employees whose city ends with word ‘pradesh’.
- 4) Display the list of employees who are having exactly five characters in their name.
- 5) Display the list of employees whose city is having only five characters.
- 6) Find the names of employees whose name includes the substring “man”.

2. Use Student table from Assignment 2.

- 1) Display the list of students whose name starts with ‘N’.
- 2) Add a new column named branch and display the list of employees whose branch starts with letter ‘A’
- 3) Display the list of students who are having exactly five characters in their name.
- 4) Add a new column named city and display the list of students whose city is having only ten characters.
- 5) Find the names of students whose name includes the substring “sh”.

3. Create table Customers with this schema: (CustomerID, CustomerName, ContactName, Address, City, PostalCode, Country)

- 1) Return all customers that ends with the pattern 'bhai'.
- 2) Return all customers that *contains* the pattern 'sat'.
- 3) Return all customers with a city starting with any character, followed by "pradesh".

- 4) Return all customers with a city starting with "S", followed by any four characters, ending with "at".
- 5) Return all customers from Mumbai.