71)

asc			desc	
rollno	name		rollno	name
101	d		105	a
102	e		104	c
103	b		103	b
104	c		102	e
105	a		101	d

o/p →

String operations –

SQL specifies strings by enclosing them in a single qoute.

e.g. 'computer'.

Single quote character i.e. a part of a string can be specified by using two single quote character.

e.g. – "comp"

The most commonly used operation on string is pattern matching by using operator like. We describe patterns by special character

i) Percent (%) – The % character matches any character string.

ii) Underscore (_) – The _ character matches any character.
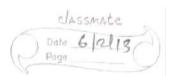
Patterns are case-sensitive i.e. upper case characters do not match with lower case character & vice versa.

e.g. i) 'comp %' –

Matches any string beginning with comp.

ex. company, computer

1

72)

ii) '%tion' -
  ~ Matches any string ending with tion
  ex. selection, updation

iii) '%nfi%' -
      Matches any string containing nfi
  ex. confidence, confirm

iv) '_ _ _' -
      Matches any string of exactly 3 characters

v) '_ _ _%' -
      Matches any string of at least 3 character

vi) '_S%' -
      Matches any string with second character
  S.

Consider the follo. database
  Author

Title	Author_name	country
Oracle	Arora	US
DBMS	Basu	India
ADBMS	Kapoor	India
SE	Basu	Canada
CO	Banerji	US

i) Find names of all authors from Author table
   where first two characters of authors name
   are 'Ba'

SQL) select Author_name from Author where

Author_name like 'Ba%.'; ↵

o/p -

Author_name
Basu
Basu
Banerji

2) Select authorname from Author
where second character of name is 'r' or
'a'.

SQL> select Author_name from Author
where Author_name like '_r%.'
        or
        Author_name like '_a%.'; ↵

o/p-

Author_name
Arora
Basu
Kapoor
Basu
Banerji

3) Select authorname with exactly 5 characters
SQL> Select Authorname from Author
where Author_name like '_____'; ↵

o/p -

Authorname
Arora

4) select country name containing character 'n'
in its name.
SQL> ~~select Author_name from Author~~
~~where Author_name~~
select country from Author
where country like '%n%'; ↵

74)

o|p →

country
India
India
Canada