What is wild Card in sql? write some queries on these
('%', _ , [])

Wildcards in sql are used with the Like operator
to Search for a specified pattern in a column. They allow
you to create more flexible queries when dealing with
String data.

1) % Represents zero, one, or multiple characters
2) _ Represents a single character
3) [] Represents any single character within the brackets

Ex

① using % to find any records where the name Starts
with "A".

Ex → Select * from employees
     Where Name LIKE 'A%';
→ In this query will return all records where the
  Name Stoo starts with the letter "A".

② using _ to find any records where the name is exactly 4 character long & starts with "j".

    Eg:- Select * from emp
    where Name like 'J___';

→ This query will return all records where the Name is four character long, & the first charac 'J'.

③ using [ ] to find any records where the name start with "A" or "B":

    Eg:- Select * from Employee
    where Name like '[AB]%';

→ This query will return all records where the Name starts with either "A" or "B".

2) what is LIKE in sql? where do we use it?
Q)   The LIKE operator is used to search for a specific pattern in a column. it's particularly useful when you want to filter records based on partial matches rather than exact matches. or

where we use like operator

1) Searching for pattern in text :- when you need to find records where a column matches a certain pattern
2) Filtering records on partial matches :- when you want to find records that contain a Specific Substring

Select column, column,
from table_name
where column_name like pattern;

Ex:① Select * from emp
where Name like 'A%'; } finding names that
                         starts with 'A'.

② Select * from emp
where Name like '%son'; } finding names that
                           end with som "son".

③ Select * from emp
where Name like '%man%'; } finding name that
                            contains "man" anywhere in
                            name.

④ Select * from emp
where Name like '_a%'; } Finding names
                          that have "a"
                          as the second char.

---

2) what are the relations that we could achive in b/w
   tables ? write different practical examples on it

A/   In relational database, we use relation-
-ship to connect data across different tables
           3 main types of relationships

① One to one (1:1)
② one to many (1:N)
③ many to many (M:N)

① one to one :
                each row in Table A is linked
to one, & only one, row in table B & vice versa

Ex- A table of emp & a table of Emp details , each
    emp has one set of details

Eg:- Table -1 Emp
Create table emp (
    Emp Id INT primary key,
    Name Varchar(100)
);

Table 2 Emp detail
Create table empdetails (
    empId int primary key,
    Address varchar (255),
    phone Varchar (15);
    forgin key (empID) Reference emp (empId)
);