31, What are joins in SQL? Why are they used?

Joins in SQL are used to combine vous from two or once tables based on a related column between then usually a forien key in one table and grimary key in another

They are used for

- To retrice data

- To on oid data duplication

- To form meaning ful results

32, what is difference between INNER JOIN and LEFT JOIN?

INNER JOIN: - return yours where there is a match in both tables

LEFT JOIN: Yeturn all yours from the left table and matched your from the right

33, Explain RIGHT JOIN and give us ase? -All roms from the right table Motching romes from the left table SELECT Columns FROM left tables RIGHT JOIN RIGHT table ON left_table. Common_ Colomn = right_table. Common - Colum. 34 Whitis FULL OUTER JOIN ? Is it supported in My SQL? -All vomes from both tobles - notches where possible NO MY SAL des not Support FULL OUTER JOIN

- A Self Join is a regular Jan ruhne a table is Janed with itself
- 3t is used to compore rows within the same table, typically with alioses
- useful bot hierorchical relation ship like finding an employee's monager from an employee table.

36, write a query using a self foin to find longer longer who report to the Same Monager

Gury SELECT

EI. Name AS Employee I

E2. Name AS Employee Z

E1. Manager - ID

FROM EmployeeD E1

JOIN EmployeeD E2 DN E1. Manage - ID = E2. Many

-I)

WHERE E1. Emp3d 2 E2 = Enp-9d;

31 that it purpose of using aluses in Joins especially in solf joint?

1. clienty: - pluses maket it losier to distinguish
between Multiple references to the some or different tolls

2, self joins.

In self form, your vising the same table truice about help treat each enstance as a sperite latity

3, Simplifies Queries Queries short, clearer using short alusses make queries short, clearer and more revoluble

38) helpt is difference between on equi join and Non - lavui Join

Equi Jein.
1: Wes the equality operator (=) to Match Column

2: Velvicus rows with equal values in Joneal Column

Non - Equi Join

1: White in Equally operator like >, 2, 2=, 3=, BRTINTER

2, Reliment your based on Ronge or man-Equal

Comparison