# Day 20 – Python MySQL Join

* You can combine rows from two or more tables, based on a related column between them, by using a JOIN statement.

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) mycursor = mydb.cursor() sql = "SELECT \   users.name AS user, \   products.name AS favorite \   FROM users \   INNER JOIN products ON users.fav = products.id" mycursor.execute(sql) myresult = mycursor.fetchall() for x in myresult:   print(x)

# If you want to show all users, even if they do not have a favourite product, use the LEFT JOIN statement

# sql = "SELECT \   users.name AS user, \   products.name AS favorite \   FROM users \   LEFT JOIN products ON users.fav = products.id"

# If you want to return all products, and the users who have them as their favorite, even if no user have them as their favorite, use the RIGHT JOIN statement

# sql = "SELECT \   users.name AS user, \   products.name AS favorite \   FROM users \   RIGHT JOIN products ON users.fav = products.id"

# You can limit the number of records returned from the query, by using the "LIMIT" statement

# import mysql.connector mydb = mysql.connector.connect(   host="localhost",   user="yourusername",   password="yourpassword",   database="mydatabase" ) mycursor = mydb.cursor() mycursor.execute("SELECT \* FROM customers LIMIT 5") myresult = mycursor.fetchall() for x in myresult:   print(x)

# Exercises:

# Create an Employee Table with employee name,employee ID & Salary

# Write a query to get the maximum and minimum salary from employees table

# Write a query to get the number of employees working with the company

# Write a query to get the first 3 characters of first name from employees table

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