```python
In [1]:  import sqlite3
         conn = sqlite3.connect("RH.db")

In [3]:  cur = conn.cursor()

In [ ]:  #Lectura del archivo CSV
         import os
         import csv

         os.chdir("/Users/Lenovo")
         with open('Cientifico-de-Datos-M41-recursos_humanos.csv') as f:
             reader = csv.reader(f)
             data = list(reader)

In [ ]:  # Creacion de tabla en donde se importara el archivo CSV
         cur.execute("""
                 CREATE TABLE Detalle (
                 satisfaction_level REAL,
                 last_evaluation REAL,
                 number_project INTEGER,
                 average_montly_hours INTEGER,
                 time_spend_company INTEGER,
                 Work_accident INTEGER,
                 left INTEGER,
                 promotion_last_5years INTEGER,
                 sales TEXT,
                 salary TEXT
                 );
         """)

In [ ]:  # Insercion de los datos en la tabla recien creada
         for renglon in range(1, len(data)):
             cur.execute("""
                 INSERT INTO Detalle (satisfaction_level, last_evaluation, number_project, average_montly_hours, time_sp(
                 VALUES (?, ?, ?, ?, ?, ?, ?, ?, ?, ?)
             """, data[renglon])

In [ ]:  # Aplicacion de los datos
         conn.commit()

In [7]:  # Satisfaccion level
         cur.execute("SELECT sales, salary, satisfaction_level FROM Detalle ORDER BY satisfaction_level DESC;")
         result = cur.fetchall()
         result

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In [9]:
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result = cur.fetchall()
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Out[9]:
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In [15]:
```python
# Agrupacion Sales
cur.execute("SELECT Sales, AVG(last_evaluation) FROM Detalle GROUP BY sales")
result = cur.fetchall()
result
```

Out[15]:
```
[('IT', 0.7168296658516707),
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 ('sales', 0.7097173913043479),
 ('support', 0.7231090174966353),
 ('technical', 0.7210992647058824)]
```

In [19]:
```python
# Agrupacion Sales, Salary
cur.execute("SELECT Sales, salary, AVG(last_evaluation)  FROM Detalle GROUP BY sales, salary")
result = cur.fetchall()
```

```
result
```

Out[19]:
```
[('IT', 'high', 0.7166265060240964),
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 ('accounting', 'high', 0.7245945945945945),
 ('accounting', 'low', 0.7138826815642458),
 ('accounting', 'medium', 0.7202985074626866),
 ('hr', 'high', 0.7437777777777778),
 ('hr', 'low', 0.717820895522388),
 ('hr', 'medium', 0.696100278551532),
 ('management', 'high', 0.7158222222222222),
 ('management', 'low', 0.7128333333333333),
 ('management', 'medium', 0.7411111111111112),
 ('marketing', 'high', 0.663625),
 ('marketing', 'low', 0.7275870646766169),
 ('marketing', 'medium', 0.7144946808510638),
 ('product_mng', 'high', 0.6657352941176471),
 ('product_mng', 'low', 0.7258314855875831),
 ('product_mng', 'medium', 0.7104177545691905),
 ('sales', 'high', 0.699814126394052),
 ('sales', 'low', 0.7092472606002859),
 ('sales', 'medium', 0.7117776523702032),
 ('support', 'high', 0.714113475177305),
 ('support', 'low', 0.7194938917975567),
 ('support', 'medium', 0.7288535031847134),
 ('technical', 'high', 0.699452736318408),
 ('technical', 'low', 0.7233673469387756),
 ('technical', 'medium', 0.7221795989537926)]
```

In [21]:
```python
# Agrupacion Work_accident AVG
cur.execute("SELECT sales, AVG(Work_accident) FROM Detalle GROUP BY sales HAVING AVG(Work_accident)>0.15")
result = cur.fetchall()
result
```

Out[21]:
```
[('RandD', 0.17026683608640406),
 ('management', 0.1634920634920635),
 ('marketing', 0.16083916083916083),
 ('support', 0.15477792732166892)]
```

In [23]:
```python
# Agrupacion Work_accident SUM
cur.execute("SELECT sales, SUM(Work_accident) FROM Detalle GROUP BY sales HAVING SUM(Work_accident)>200")
result = cur.fetchall()
result
```

Out[23]:
```
[('sales', 587), ('support', 345), ('technical', 381)]
```

In [ ]:

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