

```
In [48]: #example of python connecting to MySQL server and databases
#
import mysql.connector
#
from mysql.connector import Error
#
try:
    connection = mysql.connector.connect(host='localhost',
                                         database='workforce_management',
                                         user='root',
                                         password='',
                                         auth_plugin = 'mysql_native_password')

    if connection.is_connected():
        db_Info = connection.get_server_info()
        print("Connected to MySQL Server version ", db_Info)
        cursor = connection.cursor()
        cursor.execute("select database();")
        record = cursor.fetchone()
        print("Your connected to database: ", record)

except Error as e:
    print("Error while connecting to MySQL", e)
finally:
    if (connection.is_connected()):
        cursor.close()
        connection.close()
        print("MySQL connection is closed")
#you should see the following output
#'''Connected to MySQL Server version  8.0.17
#Your connected to database:  ('classicmodels',)
#True
#MySQL connection is closed'''

#
```

Connected to MySQL Server version 5.7.31  
Your connected to database: ('workforce\_management',)  
MySQL connection is closed

```
In [49]: #example of python connecting to MySQL server and databases
#
import mysql.connector
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#
try:
    connection = mysql.connector.connect(host='localhost',
                                         database='workforce_management',
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                                         auth_plugin = 'mysql_native_password')

    if connection.is_connected():
        db_Info = connection.get_server_info()
        print("Connected to MySQL Server version ", db_Info)
        cursor = connection.cursor()
        cursor.execute("select database();")
        record = cursor.fetchone()
        print("Your connected to database: ", record)

#
    sql_select_Query = "select * from Service_Provider"
    cursor = connection.cursor()
    cursor.execute(sql_select_Query)
    records = cursor.fetchall()
    print("Get all the details of service provider table:\n")
    for i in range(0,len(records)):
        print(records[i],"\n")

#

except Error as e:
    print("Error while connecting to MySQL", e)
finally:
    if (connection.is_connected()):
        cursor.close()
        connection.close()
        print("MySQL connection is closed")
#you should see the following output
#'''Connected to MySQL Server version  8.0.17
#Your connected to database:  ('classicmodels',)
#True
#MySQL connection is closed'''

#
```

Connected to MySQL Server version 5.7.31  
Your connected to database: ('workforce\_management',)  
Get all the details of service provider table:

('P1', 'Splash', '3183790431', '9627 Marsh St.\nSoddy Daisy, TN 37379', 'Platinum')

('G1', 'Splashing', '3196790431', '9621 Harsh St.Soddy Daisy, TN 37379', 'Gold')

('G2', 'gim', '4583890431', '9527 Sarsh St.Hoddy Daisy, TN 37379', 'Gold')

('S1', 'Sim', '9983790431', '9327 Karsh St.Hoddy Daisy, TN 37379', 'Silver')

('S2', 'Gin', '8783790431', '2627 Marsh St.Soddy Daisy, TN 37379', 'Silver')

('G3', 'Light', '8883790431', '9627 Marsh St.Soddy Daisy, TN 37379', 'Silver')

('P2', 'Bright', '3184590431', '9627 Marsh St.Soddy Daisy, TN 37379', 'Platinum')

('S3', 'Glow', '3189799431', '9627 Marsh St.Soddy Daisy, TN 37379', 'Silver')

('G4', 'Hallo', '6183790431', '9627 Marsh St.Soddy Daisy, TN 37379', 'Gold')

('G5', 'Hike', '3183790481', '9627 Marsh St.Soddy Daisy, TN\xa037379', 'Gold')

MySQL connection is closed

```
In [50]: #example of python connecting to MySQL server and databases
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    connection = mysql.connector.connect(host='localhost',
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                                         auth_plugin = 'mysql_native_password')

    if connection.is_connected():
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        print("Connected to MySQL Server version ", db_Info)
        cursor = connection.cursor()
        cursor.execute("select database();")
        record = cursor.fetchone()
        print("Your connected to database: ", record)

#

    sql_select_Query = "select * from customer_details where Cust_FirstName like 'J%';"
    cursor = connection.cursor()
    cursor.execute(sql_select_Query)
    records = cursor.fetchall()
    print("Get customer first name starting with J from customer details table:\n")
    for i in range(0,len(records)):
        print(records[i],"\n")
#

except Error as e:
    print("Error while connecting to MySQL", e)
finally:
    if (connection.is_connected()):
        cursor.close()
        connection.close()
        print("MySQL connection is closed")
#you should see the following output
#'''Connected to MySQL Server version  8.0.17
#Your connected to database:  ('classicmodels',)
#True
#MySQL connection is closed'''

#
```

Connected to MySQL Server version 5.7.31  
Your connected to database: ('workforce\_management',)  
Get customer first name starting with J from customer details table:

('Pr1', 'Johnnie', 'Nichols')

('Bu1', 'Joanna', 'Horton')

('Bu2', 'Jackie', 'Willis')

MySQL connection is closed

```
In [53]: #example of python connecting to MySQL server and databases
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try:
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                                         user='root',
                                         password='',
                                         auth_plugin = 'mysql_native_password')

    if connection.is_connected():
        db_Info = connection.get_server_info()
        print("Connected to MySQL Server version ", db_Info)
        cursor = connection.cursor()
        cursor.execute("select database();")
        record = cursor.fetchone()
        print("Your connected to database: ", record)

#

    sql_select_Query = "select count(S_ID) from service_provider where Service_Type='Gold';"
    cursor = connection.cursor()
    cursor.execute(sql_select_Query)
    records = cursor.fetchall()
    print("Get Count of service ids from service provider providing service type Gold:\n")
    for i in range(0,len(records)):
        print(records[i])

#

except Error as e:
    print("Error while connecting to MySQL", e)
finally:
    if (connection.is_connected()):
        cursor.close()
        connection.close()
        print("MySQL connection is closed")
#you should see the following output
'''Connected to MySQL Server version  8.0.17
#Your connected to database:  ('classicmodels',)
#True
#MySQL connection is closed'''

#
```

Connected to MySQL Server version 5.7.31  
Your connected to database: ('workforce\_management',)  
Get Count of service ids from service provider providing service type Gold:  
  
(4,)  
MySQL connection is closed

```
In [ ]:
```