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Connecting to SQL Server using IronPython

IronPython is an open-source implementation of Python programming language which is tightly integrated with the .NET Framework. IronPython can use the .NET Framework and Python libraries like wise other.NET languages can use Python script without a hassle.

Firstly, you have to set up environment for IronPython and SQL Server.

You check my below posts to set up the environment.

Connecting to SQL Server using Python

IronPython Set up

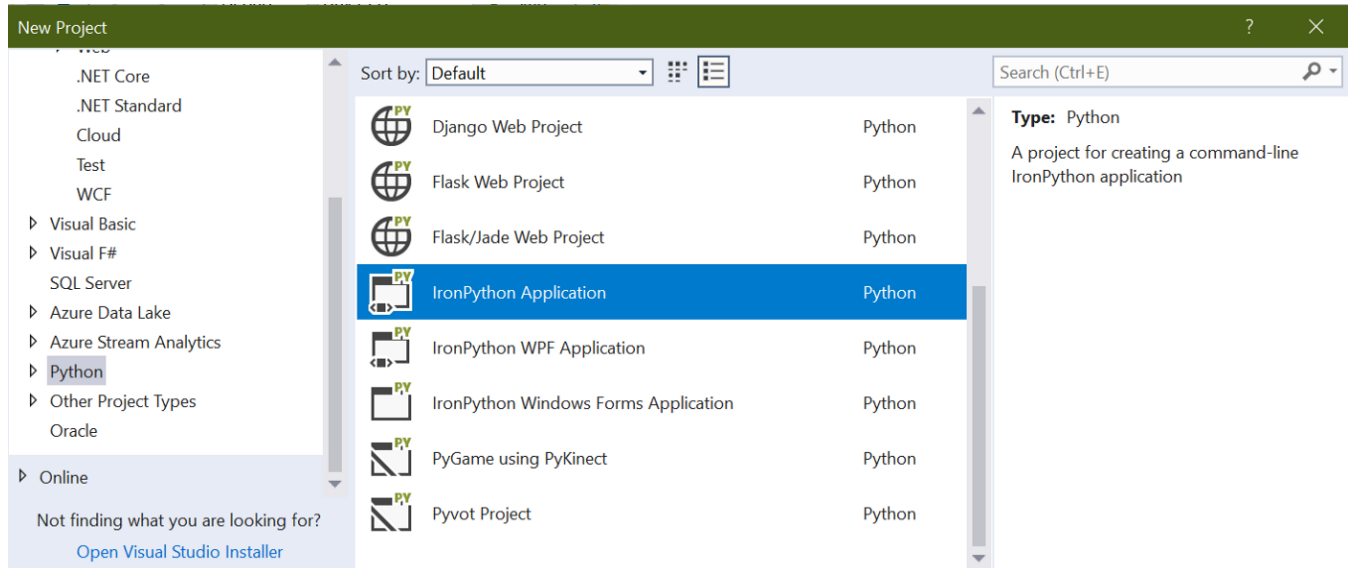You can download and install IronPython from this link

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Sample IronPython script to fetch data from SQL Server

In Visual Studio, Create a new IronPython application and write a below sample script and execute it.

import clr

clr.AddReference('System.Data')

*from System.Data import ***

#Connection string

conn =

SqlClient.SqlConnection('server=yourserver;database=testdatbase;uid=userid;password

=password')

conn.Open()

*cmd = SqlClient.SqlCommand('select * from customers', conn)*

reader = cmd.ExecuteReader()

if reader.HasRows:

while reader.Read():

customer = {

'id': reader.GetString(reader.GetOrdinal("customer_id")),

'name': reader.GetString(reader.GetOrdinal("customer_name")),

'city':reader.GetString(reader.GetOrdinal("city"))

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conn.Close()

print('————— Id ————— Name ————— City ————')

for customer in customers:

print(' %d %s %s '%(customer.id,customer.name,customer.city))

print('——————————————————————————-')

Output

To run the application:

1. From *Solution Explorer* → select the python file you want to execute.

2. Right-click and select *Start without Debugging* option.

You can see the output in a specified format in command prompt window.

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