

Almacenar la información enviada entre un cliente y un servidor en una base de datos MySQL con PowerShell

Servidor inserta datos en MySQL

```
##Server
$port=2020
$endpoint = new-object System.Net.IPEndPoint
([IPAddress]::Any,$port)
$udpcient=new-Object System.Net.Sockets.UdpClient $port
$content=$udpcient.Receive([ref]$endpoint)
$valoresalmacenar=[Text.Encoding]::ASCII.GetString($content)

[void][System.Reflection.Assembly]::LoadWithPartialName("MySQL
.Data")
$Connection = New-Object
MySQL.Data.MySqlClient.MySqlConnection
$ConnectionString = "server=" + "localhost" +
";port=3306;uid=" + "root" + ";pwd=" + ";database="+ "estado"
$Connection.ConnectionString = $ConnectionString
$Connection.Open()

$query = 'INSERT INTO Persons
(PersonID,LastName,FirstName,Address,City,Estado) VALUES
('+ $valoresalmacenar + ')'
$query
$Command = New-Object
MySQL.Data.MySqlClient.MySqlCommand($Query, $Connection)
$DataAdapter = New-Object
MySQL.Data.MySqlClient.MySqlDataAdapter($Command)
$DataSet = New-Object System.Data.DataSet
$RecordCount = $dataAdapter.Fill($dataSet, "data")
$DataSet.Tables[0]
$Connection.Close()
```

```
$udpclient.Close()
```



Cliente que manda datos que instará el servidor

```
##Client
$port=2020
$endpoint = new-object System.Net.IPEndPoint
([IPAddress]::Loopback,$port)
$udpclient=new-object System.Net.Sockets.UdpClient
$b=[Text.Encoding]::ASCII.GetBytes('"2","Grillo","Pepito","Castellana","Berlin","1"')
$bytesSent=$udpclient.Send($b,$b.length,$endpoint)
$udpclient.Close()
```

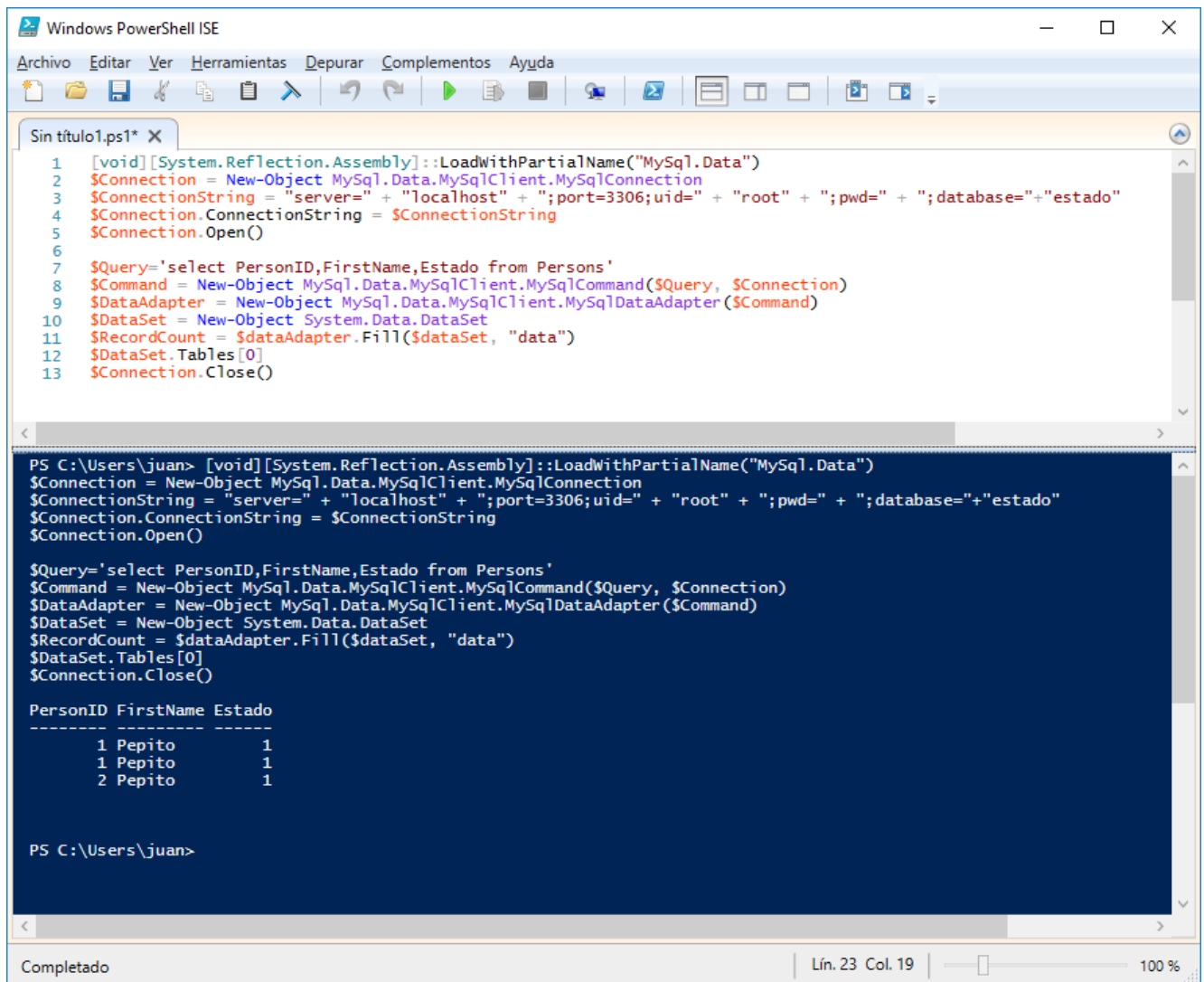


Ver los valores insertados en la tabla de la base de datos

```
[void][System.Reflection.Assembly]::LoadWithPartialName("MySQL.Data")
$Connection = New-Object
MySQL.Data.MySqlClient.MySqlConnection
$ConnectionString = "server=" + "localhost" +
";port=3306;uid=" + "root" + ";pwd=" + ";database="+"estado"
$Connection.ConnectionString = $ConnectionString
$Connection.Open()

$query='select PersonID,FirstName,Estado from Persons'
$Command = New-Object
MySQL.Data.MySqlClient.MySqlCommand($Query, $Connection)
$DataAdapter = New-Object
MySQL.Data.MySqlClient.MySqlDataAdapter($Command)
$DataSet = New-Object System.Data.DataSet
$RecordCount = $DataAdapter.Fill($DataSet, "data")
```

```
$DataSet.Tables[0]  
$Connection.Close()
```



The screenshot shows the Windows PowerShell ISE interface. The script in the editor connects to a MySQL database, executes a query to select data from a table named 'Persons', and displays the results in a table format in the console.

```
1 [void][System.Reflection.Assembly]::LoadWithPartialName("MySQL.Data")  
2 $Connection = New-Object MySQL.Data.MySqlClient.MySqlConnection  
3 $ConnectionString = "server=" + "localhost" + ";port=3306;uid=" + "root" + ";pwd=" + ";database="+"estado"  
4 $Connection.ConnectionString = $ConnectionString  
5 $Connection.Open()  
6  
7 $Query='select PersonID,FirstName,Estado from Persons'  
8 $Command = New-Object MySQL.Data.MySqlClient.MySqlCommand($Query, $Connection)  
9 $DataAdapter = New-Object MySQL.Data.MySqlClient.MySqlDataAdapter($Command)  
10 $DataSet = New-Object System.Data.DataSet  
11 $RecordCount = $DataAdapter.Fill($DataSet, "data")  
12 $DataSet.Tables[0]  
13 $Connection.Close()
```

PS C:\Users\juan> [void][System.Reflection.Assembly]::LoadWithPartialName("MySQL.Data")
\$Connection = New-Object MySQL.Data.MySqlClient.MySqlConnection
\$ConnectionString = "server=" + "localhost" + ";port=3306;uid=" + "root" + ";pwd=" + ";database="+"estado"
\$Connection.ConnectionString = \$ConnectionString
\$Connection.Open()

\$Query='select PersonID,FirstName,Estado from Persons'
\$Command = New-Object MySQL.Data.MySqlClient.MySqlCommand(\$Query, \$Connection)
\$DataAdapter = New-Object MySQL.Data.MySqlClient.MySqlDataAdapter(\$Command)
\$DataSet = New-Object System.Data.DataSet
\$RecordCount = \$DataAdapter.Fill(\$DataSet, "data")
\$DataSet.Tables[0]
\$Connection.Close()

PersonID FirstName Estado

1 Pepito 1
1 Pepito 1
2 Pepito 1

PS C:\Users\juan>

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