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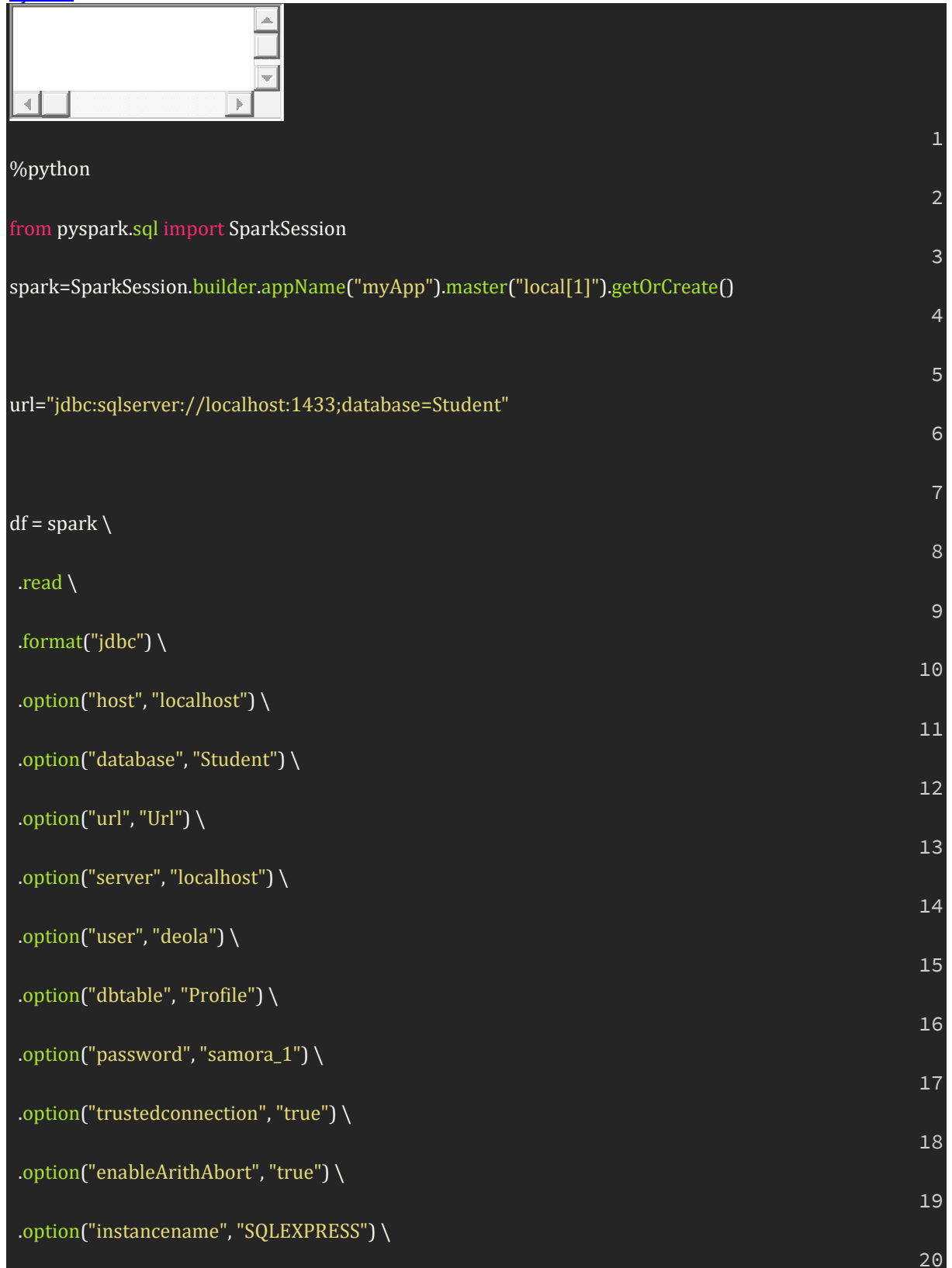
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[Python](#)



```
%python
from pyspark.sql import SparkSession
spark=SparkSession.builder.appName("myApp").master("local[1]").getOrCreate()

url="jdbc:sqlserver://localhost:1433;database=Student"

df = spark \
    .read \
    .format("jdbc") \
    .option("host", "localhost") \
    .option("database", "Student") \
    .option("url", "Url") \
    .option("server", "localhost") \
    .option("user", "deola") \
    .option("dbtable", "Profile") \
    .option("password", "samora_1") \
    .option("trustedconnection", "true") \
    .option("enableArithAbort", "true") \
    .option("instancename", "SQLEXPRESS") \
```

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.option("port", "1433") \
21
.load()
22
23
# Looks the schema of this DataFrame.
24
df.printSchema()
25
26
# Counts people by age
27
countsByAge = df.groupBy("age").count()
28
countsByAge.show()
29
30
# Saves countsByAge to S3 in the JSON format.
31
countsByAge.write.format("json").save("s3a://...")
32

```

Unexpected exception formatting exception. Falling back to standard exception

Traceback (most recent call last): File "/databricks/python/lib/python3.9/site-packages/IPython/core/interactiveshell.py", line 3378, in run_code exec (code_obj, self.user_global_ns, self.user_ns) File "<command-2701520118083909>", line 6, in <module> df = spark \ File "/databricks/spark/python/pyspark/instrumentation_utils.py", line 48, in wrapper res = func(*args, **kwargs) File "/databricks/spark/python/pyspark/sql/readwriter.py", line 309, in load return self._df(self._jreader.load()) File "/databricks/spark/python/lib/py4j-0.10.9.5-src.zip/py4j/java_gateway.py", line 1321, in __call__ return_value = get_return_value(File "/databricks/spark/python/pyspark/errors/exceptions.py", line 228, in deco return f(*a, **kw) File "/databricks/spark/python/lib/py4j-0.10.9.5-src.zip/py4j/protocol.py", line 326, in get_return_value raise Py4JJavaError(py4j.protocol.Py4JJavaError: An error occurred while calling o1357.load. : java.sql.SQLException: No suitable driver at java.sql.DriverManager.getDriver(DriverManager.java:315) at org.apache.spark.sql.execution.datasources.jdbc.JDBCOptions.\$anonfun\$driverClass\$2(JDBCOptions.scala:107) at scala.Option.getOrElse(Option.scala:189) at org.apache.spark.sql.execution.datasources.jdbc.JDBCOptions.<init>(JDBCOptions.scala:107) at org.apache.spark.sql.execution.datasources.jdbc.JDBCOptions.<init>(JDBCOptions.scala:39) at org.apache.spark.sql.execution.datasources.jdbc.JdbcRelationProvider.createRelation(JdbcRelationProvider.scala:36) at org.apache.spark.sql.execution.datasources.DataSource.resolveRelation(DataSource.sca

```

la:382) at org.apache.spark.sql.DataFrameReader.loadV1Source(DataFrameReader.scala:378) at org.apache.spark.sql.DataFrameReader.$anonfun$load$2(DataFrameReader.scala:334) at scala.Option.getOrElse(Option.scala:189) at org.apache.spark.sql.DataFrameReader.load(DataFrameReader.scala:334) at org.apache.spark.sql.DataFrameReader.load(DataFrameReader.scala:226) at sun.reflect.GeneratedMethodAccessor576.invoke(Unknown Source) at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) at java.lang.reflect.Method.invoke(Method.java:498) at py4j.reflection.MethodInvoker.invoke(MethodInvoker.java:244) at py4j.reflection.ReflectionEngine.invoke(ReflectionEngine.java:380) at py4j.Gateway.invoke(Gateway.java:306) at py4j.commands.AbstractCommand.invokeMethod(AbstractCommand.java:132) at py4j.commands.CallCommand.execute(CallCommand.java:79) at py4j.ClientServerConnection.waitForCommands(ClientServerConnection.java:195) at py4j.ClientServerConnection.run(ClientServerConnection.java:115) at java.lang.Thread.run(Thread.java:750) During handling of the above exception, another exception occurred:
Traceback (most recent call last): File "/databricks/python/lib/python3.9/site-packages/IPython/core/interactiveshell.py", line 1997, in showtraceback
    stb = self.InteractiveTB.structured_traceback(
File "/databricks/python/lib/python3.9/site-packages/IPython/core/ultratb.py", line 1112, in structured_traceback
    return FormattedTB.structured_traceback(
File "/databricks/python/lib/python3.9/site-packages/IPython/core/ultratb.py", line 1006, in structured_traceback
    return VerboseTB.structured_traceback(
File "/databricks/python/lib/python3.9/site-packages/IPython/core/ultratb.py", line 859, in structured_traceback
    formatted_exception = self.format_exception_as_a_whole(etype, evalue, etb, number_of_lines_of_context,
File "/databricks/python/lib/python3.9/site-packages/IPython/core/ultratb.py", line 812, in format_exception_as_a_whole
    frames.append(self.format_record(r))
File "/databricks/python/lib/python3.9/site-packages/IPython/core/ultratb.py", line 730, in format_record
    result += ''.join(_format_traceback_lines(frame_info.lines, Colors, self.has_colors, lvals))
File "/databricks/python/lib/python3.9/site-packages/stack_data/utils.py", line 145, in cached_property_wrapper
    value = obj.__dict__[self.func.__name__] = self.func(obj)
File "/databricks/python/lib/python3.9/site-packages/stack_data/core.py", line 698, in lines_pieces
    = self.included_pieces
File "/databricks/python/lib/python3.9/site-packages/stack_data/utils.py", line 145, in cached_property_wrapper
    value = obj.__dict__[self.func.__name__] = self.func(obj)
File "/databricks/python/lib/python3.9/site-packages/stack_data/core.py", line 649, in included_pieces
    pos = scope_pieces.index(self.executing_piece)
File "/databricks/python/lib/python3.9/site-packages/stack_data/utils.py", line 145, in cached_property_wrapper
    value = obj.__dict__[self.func.__name__] = self.func(obj)
File "/databricks/python/lib/python3.9/site-packages/stack_data/core.py", line 628, in executing_piece
    return only(
File "/databricks/python/lib/python3.9/site-packages/stack_data/only.py", line 164, in only
    raise NotOneValueFound('Expected one value, found 0')
executing.executing.NotOneValueFound: Expected one value, found 0

```

Py4JJavaError: An error occurred while calling o1357.load. : java.sql.SQLException: No suitable driver at java.sql.DriverManager.getDriver(DriverManager.java:315) at org.apache.spark.sql.execution.datasources.jdbc.JDBC

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ptions.$anonfun$driverClass$2(JDBCOptions.scala:107) at scala.Option.getO
rElse(Option.scala:189) at org.apache.spark.sql.execution.datasources.jdb
c.JDBCOptions.(JDBCOptions.scala:107) at org.apache.spark.sql.execution.d
atasources.jdbc.JDBCOptions.(JDBCOptions.scala:39) at org.apache.spark.sq
l.execution.datasources.jdbc.JdbcRelationProvider.createRelation(JdbcRela
tionProvider.scala:36) at org.apache.spark.sql.execution.datasources.Data
Source.resolveRelation(DataSource.scala:382) at org.apache.spark.sql.Data
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tion.getOrElse(Option.scala:189) at org.apache.spark.sql.DataFrameReader.
load(DataFrameReader.scala:334) at org.apache.spark.sql.DataFrameReader.l
oad(DataFrameReader.scala:226) at sun.reflect.GeneratedMethodAccessor576.
invoke(Unknown Source) at sun.reflect.DelegatingMethodAccessorImpl.invoke
(DelegatingMethodAccessorImpl.java:43) at java.lang.reflect.Method.invoke
(Method.java:498) at py4j.reflection.MethodInvoker.invoke(MethodInvoker.j
ava:244) at py4j.reflection.ReflectionEngine.invoke(ReflectionEngine.java
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ClientServerConnection.java:115)
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