Question 1
Which of the following statements establishes the connection between a Jupyter Notebook SQL
extension and an SQLite database 'EMP.db'? 1 / 1 point

==%sql sqlite:///EMP.db==
%sql
 sqlite:///EMP.db
 %sql sqlite:/EMP.db
%sql sqlite3://EMP.db

Correct
Correct! This is the proper approach to establish the required connection.

Question 2
Which two of the following can be stated as uses of cell magic in Jupyter Notebooks? 1 / 1 point

==Coding in Jupyter notebook using a programming language other than Python==
Correct
Partially correct. There are more options that are correct.
Converting Jupyter notebook's default programming language to a desired one.

==Timing a complete cell block as per requirement.==
Correct
Partially correct. There are more options that are correct.
Load an SQL database to a jupyter notebook

Question 3
What would be the outcome of the following python code
import sqlite3
import pandas as pd
conn = sqlite3.connect('HR.db')
data = pd.read_csv('./employees.csv')
data.to_sql('Employees', conn)
1 / 1 point

The csv file is read and converted into an SQL table 'Employees' under the HR database
==The CSV file is converted to an SQL file==
The code throws a syntax error message.
CSV file is saved to the HR.db file created by the code.

Correct
Correct. Data from the csv file is saved to an SQL table.

4.

Question 4
What would be the correct way to query a database table using python? Assume that output in any form is acceptable. Choose the 2 correct options.

1 / 1 point

out = pandas.read_sql(query_statement, connection_object)
Correct
Partially correct. There are more options that are correct.
out = dataframe.read_sql(query_statement, connection_object)
cursor = connection.execute(query_statement)
 out = cursor.fetchall()
Correct
Partially correct. There are more options that are correct.

out = connection.execute(query_statement)

Question 5
Which of the following statements would you use to perform a statistical analysis of data in a pandas dataframe 'df'? 1 / 1 point

df.describe()
df.head()
df.tail()
df.info()

Correct
Correct. describe method responds with a statistical analysis of the data in df.