Business Context:
A library will have thousands of books available and hundreds of borrowers every single day. This leads to a high number of transactions that need to be tracked and queried very fast. The database used should, therefore also be designed as such.

In this exercise, you deploy an SQL database on Azure according to the given specifications

Learning Outcomes:

1) Deploy an Azure SQL database
2) Connect to the database using the query editor
3) Run DDL and DML queries on tables

Problem statement

1) Create an Azure SQL database with the following specifications
    a) Database plan: Basic
    b) Connectivity method: Public Endpoint
    c) No existing data backup
2) Use the query editor to create a table with the following fields and datatypes
    a) Name: String
    b) Author: String
    c) ISBN: Integer
    d) Price: Integer
    e) Number of copies available: Integer
3) Insert the following values into the table

Name	Author	ISBN	Price	Number of copies available
Pet Sematary	Stephen King	11011123	437	3
The Shining	Stephen King	11679532	345	2
The Haunting on Hill House	Shirley Jackson	11659042	550	6
Dracula	Bram Stoker	11011666	250	4
At the Mountains of	H.P Lovecraft	1145873	599	2

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Madness				
Psycho	Robert Bloch	1167903	399	6
The Silence of the Lambs	Thomas Harris	1178902	350	4
A Head Full of Ghosts	Paul Trembley	1167902	450	7
Carrie	Stephen King	1189450	399	4
Bird Box	Josh Malerman	1123670	500	1

4) Write queries to retrieve the following data
    a) Total price of all the books authored by Stephen King
    b) List of all the Books priced above 500
    c) Number of books with less than 3 copies available

Note:

- Other required values can be set as per your discretion.
- Submission of this assessment shall be done in the form of a pdf document containing the labeled screenshots as outlined in the marks distribution section.

Marks Distribution:

1) Screenshot of creation of Azure SQL Database — 15 marks
2) Screenshot of creation of table — 15 marks
3) Screenshot of insertion of given data — 5 marks
4) Screenshot of queries to retrieve given data — 15 marks

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