1. Relational data uses to enforce relationships between different tables.
a) collections
o) rows
c) keys
d) partitions
Answer : C
2. You have an inventory management database that contains the following table

ProductName	Quantity
Product1	100
Product2	129
Product3	176

Which statement should you use in a SQL query to change the inventory quantity of Product1 to 270?

- a) INSERT
- b) MERGEPOI
- c) UPDATE
- d) CREATE

Answer: C

3. Your company needs to implement a relational database in Azure. The solution must minimize ongoing maintenance

Which Azure service should you use?

- a) Azure HDInsight
- b) Azure SQL Database
- c) Azure Cosmos DB
- d) SQL Server on Azure Virtual Machines

Answer: B

4. You are writing a set of SQL queries that administrators will use to troubleshoot an Azure SQL database.

You need to embed documents and query results into a SQL notebook. What should you use?

- a) Microsoft SQL Server Management Studio (SSMS)
- b) Azure Data Studio
- c) Azure CLI
- d) Azure PowerShell

Answer: B

- 5. You have an e-commerce application that reads and writes data to an Azure SQL database. Which type of processing does the application use?
 - a) stream processing
 - b) batch processing
 - c) Online Analytical Processing (OLAP)
 - d) Online Transaction Processing (OLTP)

Answer: D

- 6. When can you use an Azure Resource Manager template?
 - a) to automate the creation of an interdependent group of Azure resources in a repeatable way
 - b) to apply Azure policies for multi-tenant deployments
 - c) to provision Azure subscriptions
 - d) to control which services and feature administrators and developers can deploy from the Azure portal

Answer: A

7. You have an Azure SQL database that you access directly from the Internet.

You recently changed the public IP address of your computer.

After changing the IP address, you can no longer access the database. You can connect to other resources in Azure. What is a possible cause of the issue?

- a) role-based access control (RBAC)
- b) Dynamic Host Configuration Protocol (DHCP)
- c) Domain Name Service (DNS)
- d) a database-level firewall

Answer: D

- 8. Which command-line tool can you use to query Azure SQL databases?
 - a) sqlcmd
 - b) bcp
 - c) azdata
 - d) Azure CLI

Answer: A

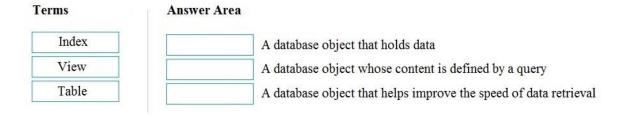
9. DRAG DROP -

Match the terms to the appropriate descriptions.

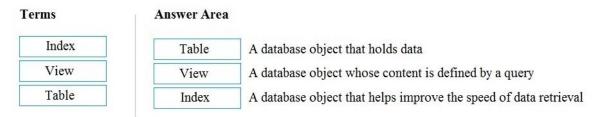
To answer, drag the appropriate term from the column on the left to its description on the right. Each term may be used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Select and Place:



Answer:

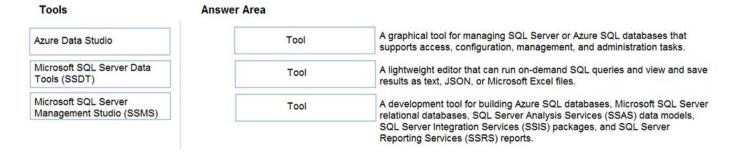


10. DRAG DROP -

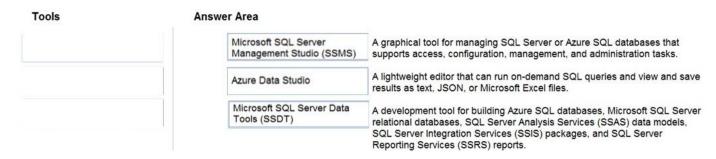
Match the tools to the appropriate descriptions.

To answer, drag the appropriate tool from the column on the left to its description on the right. Each tool may be used once, more than once, or not at all.

Select and Place:



Answer:



11. HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:

Statements	Yes	No
Relational database tables contain columns and rows	0	0
Indexes in a relational database describe the data types in a table	0	0
A database view is a virtual table whose content is defined by a query	0	0

Answer:

Answer Area

Statements		No
Relational database tables contain columns and rows	0	0
Indexes in a relational database describe the data types in a table	0	0
A database view is a virtual table whose content is defined by a query	0	0

12. HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point. Hot Area:

Statements	Yes	No
Azure SQL Database includes a managed backup service.	0	0
Azure SQL Database has built-in high availability.	0	0
Azure SQL Database can use Azure Defender.	0	0
Statements	Yes	No
Statements Azure SQL Database includes a managed backup service.	Yes	No O

13. HOTSPOT -

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point. Hot Area:

Statements	Yes	No
You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.	0	0
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	0	0
You can use MySQL Workbench to query Azure Database for MariaDB databases.	0	0
Answer Area		
Statements	Yes	No
You can use Azure Data Studio to query a Microsoft SQL Server big data cluster.	0	O
You can use Microsoft SQL Server Management Studio (SSMS) to query an Azure Synapse Analytics data warehouse.	0	0
You can use MySQL Workbench to query Azure Database for MariaDB databases.	0	O
14. HOTSPOT - For each of the following statements, select Yes if the statement is NOTE: Each correct selection is worth one point. Hot Area:	true. Othe	rwise, select No.
Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	0	0
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	0	0
Platform as a service (PaaS) database offerings in Azure reduce the administrative overhead for managing hardware.	0	O
Answer Area		
Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure provide built-in high availability.	0	0
Platform as a service (PaaS) database offerings in Azure provide configurable scaling options.	0	0
Platform as a service (PaaS) database offerings in Azure	0	0

reduce the administrative overhead for managing hardware.

15. HOTSPOT -

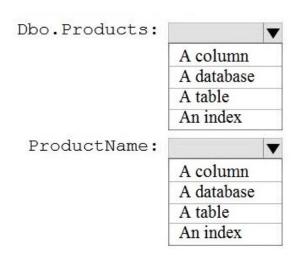
You have the following SQL query.

INSERT INTO dbo.Products (ProductID, ProductName, Price, ProductDescription)
VALUES (1, 'Clamp', 12.48, 'Workbench clamp');

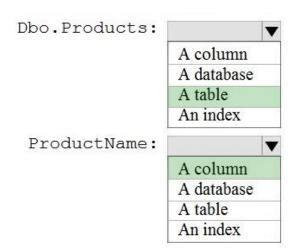
What are dbo.Products and ProductName? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area



- 16. Descriptive analytics tells you _____
 - a) What is most likely to occur in the future
 - b) What occurred in the past
 - c) Which actions you can perform to affect outcomes
 - d) Why something occurred in the past

Answer: B

17. For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Statements	Yes	No
Normalization involves eliminating relationships between database tables.	0	0
Normalizing a database reduces data redundancy.	0	O
Normalization improves data integrity.	0	0
Answer Area		
Statements	Yes	No
Normalization involves eliminating relationships between database tables.	0	0
Normalizing a database reduces data redundancy.	0	0
Normalization improves data integrity.	0	0
18. An extract, transform, and load (ETL) process require	es	
 a) a matching schema in the data source and the d b) a target data store powerful enough to transform c) data that is fully processed before being loaded d) that the data target be a relational database 	m data	
Answer : C		
19. In batch processing,		
 a) data is always inserted one row at a time b) data is processed in real-time c) latency in delivering data processing results is ad d) processing can only execute serially 	cceptable	2
Answer: C		
20. Transcribing audio files is an example of analy	tics/	
a) cognitiveb) descriptivec) predictived) prescriptive		
Answer : A		
21. The massively parallel processing (MPP) engine of Az	zure Syna	pse Analytics
 a) distributes processing across compute nodes b) distributes processing across control nodes c) redirects client connections across compute node d) redirects client connections across control node 		
Answer : A		
22 is an object associated with a table that st	ores the	data rows in the table based on their key value

24. For each of the following	ng statements, select Yes if	the stateme	ent is true. Othe	erwise, select No.
Stater	ments	Yes	No	
Batch processing can output data to a file store		0	0	
Batch processing can outpo	ut data to a relational database	0	0	
Batch processing can outpo	ut data to a NoSQL database	0	0	
Answer Area				
Sta	atements	Yes	No	
Batch processing can output data to a file store		0	0	
Batch processing can output data to a relational database		e O	0	
Batch processing can o	utput data to a NoSQL database	0	0	
25. Drag & Drop.				
Locations	Answer Area			
An in-memory data integration tool	Extract:	Locati	on	
The CRM system	Load:	Locati	on	
The data warehouse		Location		
Locations	Answer Area			
An in-memory data integration tool	Extract: T	he CRM system	n	
The CRM system				

Load:

Transform:

23. A relational database is appropriate for scenarios that involve a high volume of _____

26. A visualization that shows a university's current student enrollment versus the maximum capacity is an example of _____ analytics

The data warehouse

An in-memory data integration

The data warehouse

a) A clustered index

d) A stored procedure

c) Transactional writes

a) Changes to relationships between entities

d) Writes that have varying data structures

b) Geographically distributed writes

b) A FileTablec) A foreign key

Answer: A

Answer: C

- a) cognitive
- b) descriptive
- c) predictive
- d) prescriptive

Answer: B

27. You need to create an Azure Storage account.

Data in the account must replicate outside the Azure region automatically.

Which two types of replication can you use for the storage account? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- a) zone-redundant storage (ZRS)
- b) read-access geo-redundant storage (RA-GRS)
- c) locally-redundant storage (LRS)
- d) geo-redundant storage (GRS)

Answer: BD

28. For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Yes	No
0	0
0	0
0	0
Yes	No
0	0
0	0
0	0
	O O Yes

- 29. Which statement is an example of Data Manipulation Language (DML)?
 - a) REVOKE
 - b) DISABLE
 - c) INSERT
 - d) GRANT

Answer: C

30. You have a SQL query that combines customer data and order data. The query includes calculated columns. You need to create a database object that would allow other users to rerun the same SQL query. What should you create?

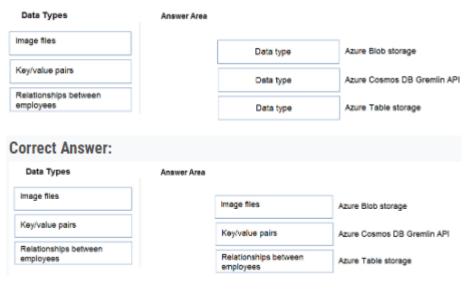
- a) an index
- b) a view
- c) a scalar function
- d) a table

Answer: B

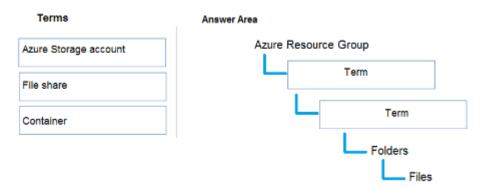
- 31. A key/value data store is optimized for _____
 - a) enforcing constraints
 - b) simple lookups
 - c) table joins
 - d) transactions

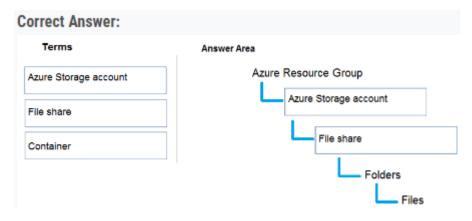
Answer: B

32. Drag & Drop



33. Drag & Drop



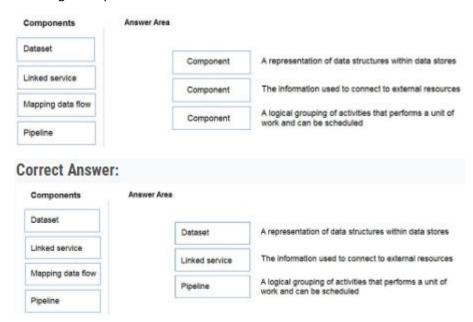


34. What are two characteristics of real-time data processing? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- a) Data is processed periodically
- b) Low latency is expected
- c) High latency is acceptable
- d) Data is processed as it is created

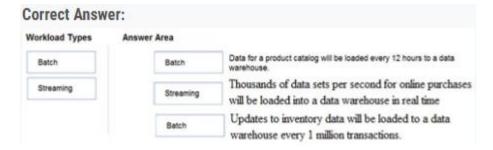
Answer: BD

35. Drag & Drop



36. Drag & Drop

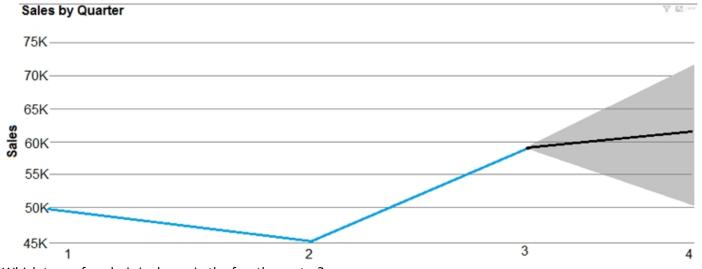




37. Drag & Drop

A standalone data analysis tool	Extract:	
The CRM system	Load:	
The data warehouse	Transform	
	Extract:	The CRM system
	Extract:	The CRM system The data warehouse

38. Your company recently reported sales from the third quarter. You have the chart shown in the following exhibit.



Which type of analysis is shown in the fourth quarter?

- a) predictive
- b) prescriptive
- c) descriptive
- d) diagnostic

Answer: B

- 39. Which statement is an example of Data Manipulation Language (DML)?
 - a) REVOKE

ŀ	o)	DISABLE
(c)	CREATE
(d)	UPDATE
Ansv	ver	:: D
40. C	Crea	ating closed caption text for audio files is an example of analytics
â	a)	Cognitive
ŀ	b)	Descriptive
(c)	Predictive
(d)	Prescriptive
Ansv	ver	: B
41. <i>A</i>	۱۷	sualization that illustrates a university's current student enrolment per department is an example of
		analytics
â	a)	Cognitive
k	b)	Descriptive
(c)	Predictive
(d)	Prescriptive
Ansv	ver	:: B
42. <i>F</i>	۹n و	extract, load, and transform (ELT) process requires
â	a)	A separate transformation engine
k	b)	A target data store powerful enough to transform data
(c)	Data that is fully processed before being loaded to the target data store
(d)	A data pipeline that includes a transformation engine
Ansv	ver	:: B
		need to create an Azure resource to store data in Azure Table storage. command should you run?
â	а)	az storage share create
k	b)	az storage account create
(c)	az cosmosdb create
(d)	az storage container create
Ansv	ver	: D
44. T Cosn		Azure Cosmos DB API enables the use of SELECT statements to retrieve documents from Azure DB
á	a)	Core (SQL)
ŀ	o)	Gremlin
(c)	MongoDB

Which statement should you use?			
a) MERGE			
b) ALTER			
c) INSERT			
d) UPDATE			
Answer : B			
46. For each of the following statements, select Yes if the	e staten	nent is true. Otherwise, s	select No.
Statements	Yes	No	
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	0	0	
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	0	0	
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	0	0	
Answer Area			
Statements	Yes	No	
Extract, transform, and load (ETL) can reduce the transfer of sensitive data to destination systems.	0	0	
Extract, load, and transform (ELT) transforms data by using a compute resource independent of the source system and destination system.	0	0	
Extract, load, and transform (ELT) minimizes the time it takes to copy large volumes of data to destination systems.	0	0	
47. You plan to deploy a PostgreSQL database to Azure. 'deployment options?	Which h	osting model correspon	ds to the available
PostgreSQL on Azure VMs:			
Azure Database for PostgreSQL :			
a) Infrastructure as a service (laaS)			
b) Platform as a service (PaaS)			
c) Software as a service (SaaS)			
Answer : CB			
48 natively support the analysis of relationship	s betwe	en entities.	
a) Column family databases			

45. You need to modify a view in a relational database by adding a new column.

d) Table

Classification: Confidential Contains PII: No

Answer: A

	b)	Document databases				
	c)	Graph databases				
	d)	Key-value stores				
Ans	wer	:: C				
49.	Whi	ich Azure storage solution provides native support for intellsense				
-cor	mpli	ant access control lists (ACLs)?				
	a)	Azure Table storage				
	b)	Azure Dmata Lake Storage				
	c)	Azure Queue storage				
	d)	Azure Files				
Ans	wer	: B				
50.	Rela	ational data is stored in				
	a)	A file system as unstructured data				
	b)	A hierarchal folder structure				
	c)	A tabular form of rows and columns				
	d)	Comma-seperated value (CSV) files				
Ans	wer	: C				
51.		physically sorts the data in a table based on the values in a specified column.				
	a)	A view				
	b)	A clustered index				
	c)	A stored procedure				
	d)	A nonclustered index				
Ans	wer	: B				
52.	A bl	ock of code that runs in a database is called				
	a)	A stored procedure				
	b)	A table				
	c)	A view				
	d)	An index				
Ans	wer	: A				
53.		presents content defined by a query				
	a)	A heap				
	b)	A stored procedure				
	c)	A view				
	d)	An index				

Answer: C				
54. Which type of database is Azure Database for PostgreSQL ?				
a) Platform as a service (PaaS)				
b) Infrastructure as a service (laaS)				
c) Microsoft SQL Server				
d) on-premises				
Answer: A				
55. Which storage solution supports access control lists (ACLs) at the file and folder level?				
a) Azure Data Lake Storage				
b) Azure Queue storage				
c) Azure Blob storage				
d) Azure Cosmos DB				
Answer : A				
56. A is a chart of colored rectangles . The size of the rectangles represent the relative value of each item. The chart can be hierarchical, displaying data as a set of rectangles nested within the main rectangle				
a) Line chart				
b) Matrix				
c) Scatter				
d) Treemap				
Answer: D				
57. What is a characteristic of batch processing ?				
a) The data ingested during batch processing must be processed as soon as the data is received.				
b) Large datasets must be split into batches of less than 1 GB before the data can be processed.				
c) There is a noticeable time delay between ingesting data and obtaining the data processing results.				
d) Batch processing can only process data that is structured.				
Answer: C				
58. In a SQL statement, are examples of aggregate functions.				
a) FROM and WHERE				
b) GROUP BY and ORDER BY				
c) JOIN and MERGE				
d) MAX and MIN				
Answer: D				

59. For each of the following statements, select Yes if the statement is true. Otherwise, select No.

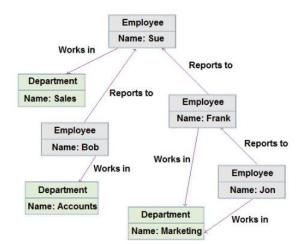
Answer Area Statements		Yes	No
A TO A CONTROL OF THE	orkload	0	0
A job that processes sales data once daily is an example of a batch wo A job that calculates a rolling average temperature reading is an exam a streaming workload.		0	0
A job that calculates average revenue per product for the last month i example of a streaming workload.	is an	0	0
Answer Area			
Statements		Yes	No
A job that processes sales data once daily is an example of a batch w	orkload.	0	0
A job that calculates a rolling average temperature reading is an exam a streaming workload.	nple of	0	0
A job that calculates average revenue per product for the last month example of a streaming workload.	is an	0	[0]
50. In a relational database, each row in a table has			
a) A different set of columns			
b) A key-value pair			
c) The same set of columns			
d) Unstructured data			
Answer : C			
61. For each of the following statements, select Yes if the st	atemer	nt is t	rue. Otherwise, selec
Answer Area			
Statements	Yes	No	0
Normalizing a database increases the throughput of writing transactions.	0	C	
Analytics systems are more normalized than transactional systems.	0	C	
Normalizing a database results in queries that require more joins.	0	C	
Correct Answer:			
Answer Area			
Statements	Yes	N	lo
Normalizing a database increases the throughput of writing transactions.	. 0	(
Analytics systems are more normalized than transactional systems.	0		
Normalizing a database results in queries that require more joins.	0		O
52 natively support the analysis of relationship	os betw	een (entities

- a) Column family databases
- b) Document databases
- c) Graph databases

d	l)	Key-value stores
Answ	/er	::C
63. A	ke	ey/value data store is optimized for
а)	Enforcing constraints
b)	Simple lookups
c)	Table joins
Answ	/er	:: B
		n infrastructure as a service (IaaS) instance of that hosts SQL server Microsoft SQL server or you manage the
a	1)	Elastic pool
b)	MySQL server
С	:)	PostgreSQL server
d	l)	Virtual machine
Answ	/er	: virtual machine
65. V	'ar	ying fields for each entity in a JSON document is an example of
a	1)	Relational data
b)	Semi-structured data
С	:)	Structured data
d	l)	Unstructured data
Answ	/er	: B
66. A	JS	ON document is an example of
a	1)	Graph data
b)	Relational data
С	:)	Semi-structured data
d	l)	Unstructured data
Answ	/er	::C
		ich property of a transactional workload guarantees that each transaction is treated as a single unit that succeeds completely or fails completely?
a)	atomicity
b)	isolation
С)	durability
d	l)	consistency
Δηςιλ	ıΔr	^

Classification: Confidential Contains PII: No

68. You have a data store that has the structure shown in the following exhibit.



Which type of data store is this?

a	۱ ۱	kev	ıΛ	ıal	lue
a) !	KE	// /	/ai	ue

- b) object data
- c) graph
- d) time series

Answer: C

69. Which type of database contains nodes and edges?

- a) graph
- b) key/value
- c) columnar
- d) time series

Answer: A

70. ______ is responsible for identifying which business rules must be applied to the data of a company

- a) a data analyst
- b) a data engineer
- c) a data scientist

Answer: A

71. Relational data uses ______ to enforce relationships between different tables.

- a) Collections
- b) Rows
- c) Keys
- d) Partitions

Answer: C

72. For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	0	0
You need a Microsoft 365 subscription to create an Azure SQL database.	0	0
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	0	0
Answer Area		
Statements	Yes	No
You must apply operating system updates to Azure SQL databases regularly.	0	0
You need a Microsoft 365 subscription to create an Azure SQL database.	0	0
You can use existing Microsoft SQL Server licenses to reduce the cost of Azure SQL databases.	0	0

- 73. Which statement is an example of Data Definition Language (DDL)?
 - a) SELECT
 - b) JOIN
 - c) UPDATE
 - d) CREATE

Answer : D

74. For each of the following statements, select Yes if the statement is true. Otherwise, select No.

Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	0	0
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	0	0
Azure Data Studio can be used to restore a database.	0	0
Statements	Yes	No
Azure Data Studio can be used to query an Azure SQL database from a device that runs macOS.	0	0
Microsoft SQL Server Management Studio (SSMS) enables users to create and use SQL notebooks.	0	0
Azure Data Studio can be used to restore a database.	0	0

a) Azure Cosmos DB b) Azure HDInsight c) Azure SQL Database d) Azure Synapse Analyticss e) Answer: C 76. What are two benefits of platform as a service (PaaS) relational database offerings in Azure, such as Azure SQL Database? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point. a) access to the latest features b) complete control over backup and restore processes c) in-database machine learning services d) reduced administrative effort for managing the server infrastructure Answer: AD 77. For each of the following statements, select Yes if the statement is true. Otherwise, select No. Statements Yes No If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates. If you have a platform as a service (PaaS) database in Azure, backups are performed automatically. If you have a platform as a service (PaaS) database in Azure, you are responsible for installation of the database engine. Statements Yes No If you have a platform as a service (PaaS) database in Azure, you are responsible for applying operating system updates. If you have a platform as a service (PaaS) database in Azure, backups are performed automatically. If you have a platform as a service (PaaS) database in Azure, 0

75. You are deploying a software as a service (SaaS) application that requires a relational database for Online

you are responsible for installation of the database engine.

Transaction Processing (OLTP).

Which Azure service should you use to support the application?

78. You have a table named Sales that contains the following data.

SalesDate	SalesAmount	ProductID
4-Apr-20	\$2,000	1
5-Apr-20	\$40	2
5-Apr-20	\$2,300	1
6-Apr-20	\$40	3
6-Apr-20	\$200	4

You need to query the table to return the average sales amount per day. The output must produce the following results.

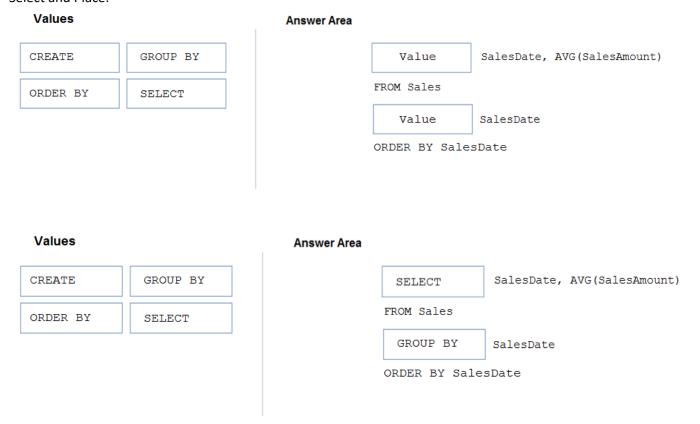
SalesDate	AVG(SalesAmount)
4-Apr-20	\$2,000
5-Apr-20	\$1,170
6-Apr-20	\$120

How should you complete the query? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Select and Place:



- 79. When you create an Azure SQL database, which account can always connect to the database?
 - a) the Azure Active Directory (Azure AD) account that created the database
 - b) the server admin login account of the logical server
 - c) the Azure Active Directory (Azure AD) administrator account
 - d) the sa account

Answer: B

80. Which statement is an example of Data Definition Language (DDL)?

- a) SELECT
- b) INSERT
- c) DELETE
- d) DROP

Answer: D

81. A team of developers has computers that run Windows 10 and Ubuntu Desktop.

The developers need to connect to and query an Azure SQL database from each of their computers. The developers require code assistance features such as

IntelliSense.

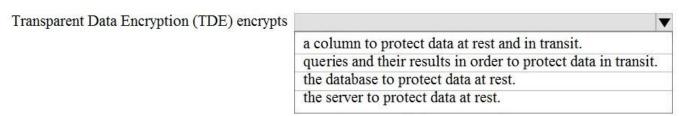
What should the developers use?

- a) sqlcmd
- b) Microsoft SQL Server Management Studio (SSMS)
- c) Azure Data Studio
- d) Azure Data Explorer

Answer: C

82. To complete the sentence, select the appropriate option in the answer area.

Answer Area



Answer Area Transparent Data Encryption (TDE) encrypts a column to protect data at rest and in transit. queries and their results in order to protect data in transit. the database to protect data at rest. the server to protect data at rest.

- 83. You need to ensure that users use multi-factor authentication (MFA) when connecting to an Azure SQL database. Which type of authentication should you use?
 - a) service principal authentication
 - b) Azure Active Directory (Azure AD) authentication
 - c) SQL authentication
 - d) certificate authentication

Answer: B

84. What is a benefit of hosting a database on Azure SQL managed instance as compared to an Azure SQL database?

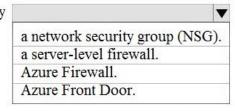
- a) built-in high availability
- b) native support for cross-database queries and transactions
- c) system-initiated automatic backups
- d) support for encryption at rest

Answer: B

85. To complete the sentence, select the appropriate option in the answer area.

Answer Area

By default, each Azure SQL database is protected by



Answer Area By default, each Azure SQL database is protected by a network security group (NSG). a server-level firewall. Azure Front Door.

86. You need to design and model a database by using a graphical tool that supports project-oriented offline database development.

What should you use?

- a) Microsoft SQL Server Data Tools (SSDT)
- b) Microsoft SQL Server Management Studio (SSMS)
- c) Azure Databricks
- d) Azure Data Studio

Answer: A

87. Match the security components to the appropriate scenarios.

Components	Answer Area	
Authentication		Prevent access to an Azure SQL database from another network.
Firewall		Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database.
Encryption		Ensure that sensitive data never appears as plain text in an Azure SQL database.

Answe	r:		
	ponents	Answer Area	
Auth	entication	Firewall	Prevent access to an Azure SQL database from another network.
F	irewall	Authentication	Support Azure Active Directory (Azure AD) sign-ins to an Azure SQL database
En	cryption	Encryption	Ensure that sensitive data never appears as plain text in an Azure SQL database.
		• •	that stores data in an Azure SQL managed instance. database replica?
a)	You need to g	enerate reports wi	thout affecting the transactional workload.
b)	You need to a	udit the transactio	nal application.
c)	You need to in	nplement high ava	ilability in the event of a regional outage.
d)	You need to in	nprove the recove	ry point objective (RPO).
Answe	r: A		
88. A r	elational databa	ase must be used v	vhen
a)	A dynamic sch	ema is required	
b)	Data will be st	ored as key/value	pairs
c)	Storing large i	mages and videos	
d)	Strong consist	ency guarantees a	re required
Answe	r: D		
89. Rel	ational data use	es to enf	orce relationships between different tables.
a)b)c)d)	Collections Columns Keys Partitions		
Answe	r: C		
90	is a virt	cual table that cont	ains content defined by a query.
-	A heap A stored proce	edure	

Answer: C

c) A viewd) An index

91. You need to query a table named Products in an Azure SQL database.

Which three requirements must be met to query the table from the internet? Each correct answer presents part of the solution.

- a) You must be assigned the Reader role for the resource group that contains the database.
- b) You must have SELECT access to the Products table.
- c) You must have a user in the database.
- d) You must be assigned the Contributor role for the resource group that contains the database.

Answer	: BCE								
92. Whi	ch clause should yo	ou use in a SELECT state	ment to combine rows in one table with rows	in another table?					
a)) SET								
b)	VALUES								
c)	KEY								
d)	JOIN								
Answer	: D								
exposin	r company needs to g the databases to nould you use?		virtual machine can connect to Azure SQL data	bases without					
a)	Azure Application	Gateway							
b)	Azure Traffic Mana	ager							
c)	Azure DNS								
d)	Azure Private Link								
Answer	: D								
Match t	G DROP - he Azure SQL servi e SQL services	ces to the appropriate u	use cases.						
500000000000000000000000000000000000000	SQL Database elastic pool		A serverless configuration						
	SQL Database gle database		A database that has the highest compatibility with on-premises Microsoft SQL Server						
- 6	Azure SQL aged instance		A low-cost, low-maintenance database						
Answer	:								
Azur	e SQL services	Answer Area							
1511050505000	e SQL Database elastic pool	Azure SQL Database single database	A serverless configuration						
	e SQL Database ngle database	Azure SQL Managed instance	A database that has the highest compatibility with on-premises Microsoft SQL Server						
	Azure SQL naged instance	Azure SQL Database elastic pool	A low-cost, low-maintenance database						

e) Your IP address must be allowed to connect to the database.

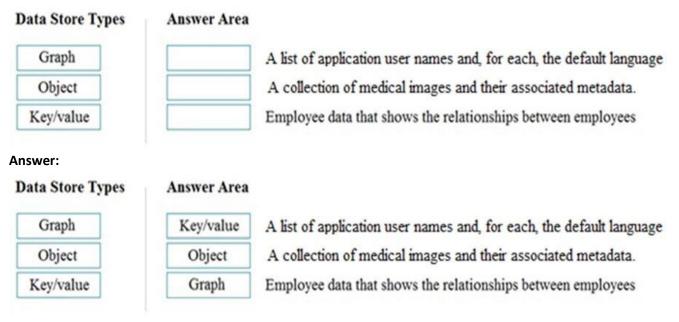
95. Which T-SQL statement should be used to instruct a database management system to use an index instead of performing a full table scan?		
;	a)	SELECT
1	b)	WHERE
	c)	JOIN
Answer: A		
96		is a platform as a service (PaaS) relational data service that uses massively parallel processing (MPP).
;	a)	Azure SQL Database
1	b)	Azure Synapse Analytics
(c)	Azure Database for MariaDB
(d)	SQL Server on Azure virtual machines
Answer: B		
97		physically sorts the data in a table based on the values in a specified column.
;	a)	A view
ı	b)	A clustered index
(c)	A stored procedure
(d)	A nonclustered index
Answer: B		
98. I	n a	relational database, the uniquely identifies each row in a table
;	a)	Foreign key
1	b)	Primary key
	c)	WHERE clause
	d)	Nonclustered index
Answer: B		
99. Which Azure service provides the highest compatibility for databases migrated from Mi crosoft SQL Server 2019 Enterprise edition?		
;	a)	Azure SQL Database
I	b)	Azure Database for MySQL
	c)	Azure SQL Managed Instance
(d)	an Azure SQL Database elastic pool
Answer: C		
100. Which setting can only be configured during the creation of an Azure Cosmos DB account?		
;	a)	geo-redundancy

b) multi-region writes

- c) production or non-production account type
- d) API

Answer: D

101. Match the types of data stores to the appropriate scenarios.



102. You have an Azure Cosmos DB account that uses the Core (SQL) API.

Which two settings can you configure at the container level? Each correct answer presents a complete solution. NOTE: Each correct selection is worth one point.

- a) the throughput
- b) the read region
- c) the partition key
- d) the API

Answer: AC

103. A data engineer is responsible for which task?

- a) Design and build analytical models
- b) Design and implement data stores for analytical workloads
- c) Explore data to identify trends
- d) Implement policies, tools and processes for backup and recovery plans

Answer: A

104. Which property of a transactional workload guarantees that each **transaction** is treated as a single unit that either succeeds completely or fails completely?

- a) Isolation
- b) Durability
- c) Consistency
- d) Atomicity

Answer: D

105. Which database transaction property ensures that transactional changes to a **database are preserved** during **unexpected operating system** restarts?

- a) Consistency
- b) Durability
- c) Isolation
- d) Atomicity

Answer: A

106. What is required to provision Azure Data Lake Storage in an Azure Storage account?

- a) Versioning must be enabled
- b) Hierarchical namespace must be enabled
- c) Hierarchical namespace must be disabled
- d) Versioning must be disabled

Answer: B

107. You have a data saved in the following format:

Which format was used?

- a) YAML
- b) HTML
- c) XML
- d) JSON

Answer: B

108. What is the primary purpose of a data warehouse?

- a) To provide answers to complex queries that rely on data from multiple sources
- b) To provide transformation services between source and target data stores
- c) To provide read-only storage of relational and non-relational historical data
- d) To provide storage for transactional line-of-business (LOB) applications

Answer: C

109. A team of developers has computers That run Windows 10 and Ubuntu Desktop.

The developers need to connect to and query an SQL Database from the computers. The developers require code assistance features such as intellSense.

What should the developers use?

- a) Azure Data Studio
- b) sq1cmd
- c) Microsoft SQL Server Management Studio (SSMS)
- d) Azure Data Explorer

Answer: A