# IST659 Unit 01 - Introduction

Hrishikesh Mahesh Telang          14 / 23 points          Completed on:
9/1/2021, 4:30:02 PM

#1 | 03:25 | 1/1 point

This Driver's license is it an example of data as fact, data as object or data as a process?

○ Fact

◉ Object

**Correct**

the entire drivers license consists of more than one atomic value.

○ Process

#2 | 03:28 | 1/1 point

The ID Nunmber on the Driver's license is an example of data as a:

◉ Fact

**Correct**

since the ID number is atomic, and does not make sense to be sub-divided, this is data as a fact.

○ Object

○ Process

#3 | 03:31 | 1/1 point

Tracking the shipment of a customer order is an example of data as a/an:          process

Blank 1 - process, business process, organizational process

**Correct**

shipping  is a process for an order, connecting multiple data-as-objects together, thus this is an example of data as a process.

#4 | 07:17 | 1/1 point

This graph depicts shoe sales are decreasing over time. This is

○ Data
◉ Information

**Correct**

Data are raw unprocessed facts. This data is processed and interpreted, hence its information

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#5 | 07:23 | 1/1 point

March pants sales are 3. Is this data or Information?

◉ Data

**Correct**

3 is data, March and Pants are the metadata labels, so this is data, not information.

○ Information

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#6 | 07:26 | 1/1 point

From this chart we can determine that shirts are the best selling item. This is an example of:

○ data

◉ information

**Correct**

Almost all the  data in chart must be processed to interpret this information.

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#7 | 13:07 | 1/1 point

Is DOB data or metadata?

○ data

◉ metadata

**Correct**

Label metadata is describes the actual date of birth.

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#8 | 13:14 | 0/1 point

The highlighted date of 07-18-83 is this data or metadata?

○ data

**Correct**

⊙ metadata

**Incorrect**

This is the actual date of birth for this person - data

#9  |  13:18 - 13:28  |  0/0 points

What would be the constraint metadata for an address on a driver's license?

#10  |  13:23  |  0/1 point

EYES (Eye Color) is an example of what type of metadata?

○ constraint

○ label

**Correct**

⊙ type

**Incorrect**

○ length

○ ownership

#11  |  21:20  |  1/1 point

Visit the following website

https://www.postgresql.org/ to learn more about PostgreSQL. Is it a database or a DBMS?

⊙ DBMS

**Correct**

it is an application which allows you to mange databases, hence it is a DBMS

○ Database

#12  |  21:20  |  1/1 point

Visit the following website

https://www.postgresql.org/ to learn more about PostgreSQL. Is it a database or a DBMS?

⊙ DBMS

**Correct**

it is an application which allows you to mange databases, hence it is a DBMS

⊙ Database

#13  |  21:22  |  0/1 point

Visit the following website:

https://squareup.com/us/en/online-store/sell-now

Is the Square Online store a database or a DBMS?

🔘 DBMS

**Incorrect**

This is an application which builds an e-commerce storefront. It has a database but does not support any other database applications, so it is a database only.

⊙ Database

**Correct**

#14  |  21:25  |  0/1 point

Visit the following website:

https://evernote.com/
Is Evernote a DBMS or a database?

🔘 DBMS

**Incorrect**

⊙ Database

**Correct**

#15  |  21:28  |  1/1 point

Visit the following website:

https://www.mongodb.com/
Is MongoDb a database or a DBMS?

🔘 DBMS

**Correct**

⊙ Database

#16  |  29:39  |  0/1 point

MongoDb

https://www.mongodb.com/

Uses which Implementation Model?

🔴 Relational

> **Incorrect**

⚪ Key-Value

⚪ Document

> **Correct**

⚪ Graph

⚪ Column-Oriented

#17 | 29:46 | 1/1 point

PostgreSQL

https://www.postgresql.org/

Uses which Implementation Model?

🟢 Relational

> **Correct**
>
> PostgreSQL is primarily a relational DBMS it also has document and object-oriented features.

⚪ Key-Value

⚪ Document

⚪ Graph

⚪ Column-Oriented

#18 | 29:51 | 1/1 point

Neo4j

https://neo4j.com/

Uses which Implementation Model?

⚪ Relational
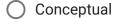
⚪ Key-Value

⚪ Document

⦿ **Graph**

**Correct**

Neo4J is a graph model DBMS

◯ Column-Oriented

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#19 | 29:55 | 1/1 point

Memcached

https://memcached.org/

Uses which Implementation Model?

◯ Relational

⦿ **Key-Value**

**Correct**

Memcached is a key-value store DBMS

◯ Document

◯ Graph

◯ Column-Oriented

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#20 | 50:27 | 1/1 point

In which data model has the Implementation model been selected, but not necessarily the DBMS itself?

◯ Conceptual

⦿ **Logical**

**Correct**

At the logical model we must select an implementation model such as graph, or document. We will not have chosen the DBMS yet.

◯ Internal

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#21 | 50:30 | 0/1 point

Which data model is associated with the Analysis phase of the DBLC?

○ Physical
○ External

○ Conceptual

**Correct**

⦿ Logical

**Incorrect**

#22  |  50:33  |  __ / 3 points

The internal and external models are both part of the Database implementation. How do they differ?

The internal model dictates the entire schema of the database design, whereas the external model performs abstraction to this internal model to only make certain public data accessible to viewers but confidential data private to the administrator.

**Feedback**
External Model is user-facing. The internal model represents the implementation of the logical model, and is not 100% user facing.

#23  |  52:08 - 52:18  |  0/0 points

Share one thing which is clear now that was not before the lesson!