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### A data warehouse is:

- [x] A database storing aggregate data, tyically for executives.
- [ ] A data schema representing data (but not actually storing them), typically for executives.
- [ ] Any data source that can provide business insights.
- [ ] Any integrated set of data sources (internal of external).
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### Why is information loaded in a datawarehouse for analytical purposes?

- [x] To overcome technical performance issues.
- [ ] To prevent access to the operational database.
- [ ] To overcome organizational barriers to data sharing.
- [x] To enable interactive approaches to data analysis (quasi real-time).
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### SAP ECC is the ERP of SAP, which of the following are modules of SAP ECC, and to which business area are related?

- [ ] SD: containing information about stock and distribution of materials    SD: sale _ Distribute
- [x] FI: containing financial documents of the company
- [x] SD: containing information about sales and distribution
- [x] PP: containing information for production planning
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25. Which of the following are BW objects in BW4Hana? *
    (4/4 Points)

☑ Infoobjects ✓

☑ ADSO ✓ = Advanced Data source object   نزنیدیم که به این سوال مربوط می‌شود.
                                            open ODS view

☐ Infocube ──→   این نزینه نداریم

☑ Composite Providers ✓

10. The structure of a data warehouse is typically set to more levels, with a partial replication of the information between one level and the next. Which is the typical one? *
(4 punti)

- ⚪ First level or Staging Area; Second Level or Data Warehouse
- ⚪ First level or Staging Area; Second Level or Data Mart
- ⚪ First level or Staging Area; Second Level or Reporting Layer
- ⚪ First level or Staging Area; Second Level or Data Warehouse; Third Level or Data Mart ✓

7. What is (are) the purpose(s) of an ETL procedure? *
(4 punti)

- ☐ Allow to register documents of different business areas in a single database → *register document is wrong* ✗
- ☐ Extract data from a source, perform data modeling and upload data in a target structure ✓
- ☐ Allow analytics on different data sources simultaneously → *تشير إلى Analytic کلها*
- ☐ Extract data from a system to import them in a different one ✓

21. What is the difference between the datamart and the staging layer in an EDWH (Enterprise Datawarehouse)? *
(4/4 Points)

- 🔘 The staging layer is where data are imported at first, its structure definition is driven by the source system. In the Datamart the structure definition is driven by analysis requirements. ✓
- ⚪ The staging layer is where data are imported at first, in both staging and datamart layer the structure definition is driven by the source system. ✗
- ⚪ The staging layer a fisrt data integration is performed as test, then data are imported from the source system into the datamarts directly is where data are imported at first, in both staging and datamart layer the structure definition is driven by the source system ← خطأ ✗
- ⚪ The staging layer is where data are imported at first, in both staging and datamart layer the structure definition is driven by analysis requirements. ✗

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### Please, tick correct statement(s) on the EDWH (Enterprise DataWareHouse).

- [x] Allow to integrate and model data from different sources to perform business analytics
- [ ] The structure of an EDWH is typically set on one level, the datamart.          → not only one level
- [x] The structure of an EDWH is typically set to more levels, with a partial replication of the information between one level and the next.
- [ ] The staging layer is where data are imported at first, in both staging and datamart layer the structure definition is driven by analysis requirements.
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that is not DB

7	Assistant - Lieto	Single	What is SAP BW?	A	SAP Business Warehouse (BW) is the Database, inside the SAP offering, thought for Business Intelligence initiatives	
				B	SAP Business Warehouse (BW) is the tool, inside the SAP offering, thought for Business Intelligence initiatives	X
				C	SAP Business Warehouse (BW) is the tool, inside the SAP offering, thought for Business IntelligencData Visualization initiatives → No	
				D	SAP Business Warehouse (BW) is the database, inside the SAP offering, thought for Business IntelligencData Visualization initiatives	

21. Which of the following is a true statement about EDWH (Enterprise Datawarehouse)? *
(0/4 Points)

☑ The structure of an EDWH is typically set to more levels, with a partial replication of the information between one level and the next. ✓

☐ The structure of an EDWH is typically set on one level, the datamart.

☐ The staging layer is where data are imported at first, in both staging and datamart layer the structure definition is driven by source structures

☐ The staging layer is where data are imported at first, in the datamart layer the structure definition is driven by analysis requirements. ✓

8. In a company with three BW envirorment (development, quality and production), what is the purpose of the production envirorment? *
(4/4 Points)

- ⦿ The production envirmorment is where final users have access and can see data with no developments ongoing ✓

- ◯ The production envirorment is never used ──حـ 'ه عدا غلط است

- ◯ The production envirorment is used to create new structures and upload more consistent data than in the development envirorment

- ◯ The production envirorment is used to test the developments

9. SAP ECC is the ERP of SAP, which of the following are modules of SAP ECC, and to which business area are related? *
(4 punti)

sale & distribution

- ☐ SD: containing information about stock and distribution of materials

All the options are :
SD: sales and demand
MM: material managment
PP: production planning
FI: financial accounting
CO:controlling

- ☐ FI: contanining financial documents of the company ✓

- ☐ SD: containing information about sales and distribution ✓

- ☐ PP: containing information for production and planning ✓

3. In a company with three BW enviroment (development, quality and production),
what is the purpose of the quality envirorment? *
(4/4 Points)

○ The quality envirorment is used to create new structures and upload more consistent data
than in the development enviroment

◉ Objects are trasported to the quality envirorment before the release in the production
one. The purpose is to test the release and the objects before transporting in the
production envirorment. →. است Production تست تحت quality مرحله بعداز ✓

○ The quality envirorment is never used —> ۵ مس غلطات

○ Objects are trasported to the quality envirorment after the release in the production one.
The purpose is to have a double check on the output and to perform adjustments and test
in the quality envirorment.