**An exam program**

1. Describe the data warehouse structures.
2. Write about the limitations of database technologies.
3. Describe the performance problems with a separate database for both transaction processing and business intelligence decision making.
4. Write about the comparison of operational databases and data warehouses.
5. Write about top-down and bottom-up architecture choices.
6. Describe about the procedure of installing Microsoft SQL Server.
7. Write about configuration services that need to be launched automatically or manually.
8. Describe the ways of connecting to data sources in SQL Management studio.
9. Write about dimensions and measures in Multidimensional analysis application.
10. Describe the process of deploying OLAP cubes. Write about impersonation mode configuration.
11. Create new calculated fields in the data table.
12. Describe the process of building hierarchies in Analysis services application.
13. Write about specifications of data marts, enterprise and virtual warehouses.
14. Describe the steps of defining advanced attribute and dimension properties in Analysis services applications.
15. Write about the steps of defining relationships between dimensions and measure groups.
16. Describe steps of defining key performance indicators (KPIs)
17. Describe specifications of Microsoft Power BI
18. Write about the process of creating relations between tables in Microsoft Power BI.
19. Describe the process of transformations in Microsoft Power BI.
20. Describe visualization in Microsoft Power Bi.