**by Molutov Bekzat Baratovich**

**Laboratory work #4**

1. a) *What are the main phases in the database design? What is done on each development phase?*

*Answer:*

Database designing process briefly:

1. Requirements collection and analysis. Database designers understand and analyze the data requirements of the database users.
2. Functional requirements. Consists of user - defined operations.
3. Conceptual design. Creating conceptual schema, this is concise description of the data requirements and detailed description of the entity types, relations and constraints.
4. Logical design. Actual implementation of the database, using DBMS.

b) *What is the entity-relationship (ER) data model?*

*Answer:*

Entity Relationship Model (ER Modeling) is a graphical approach to database design. It is a high-level data model that defines data elements and their relationship for a specified software system. An ER model is used to represent real-world objects.