**Reading Activity 12.**

1. At present, the direction "Knowledge Discovery in Databases and Data Mining", based on the methods of machine learning, artificial intelligence and data analysis, is being intensively developed.

2.Currently, the discovery of theories and knowledge is engaged in the following areas: machine learning, machine learning and knowledge extraction from data. Knowledge discovery in databases and data mining.

3. Database Extraction - The process of discovering useful knowledge in databases.

4. The main tool for searching for technologies in the database process (KDD) are analytical technologies of data mining that implement tasks, clustering, regression, forecasting, prediction, etc.

5. Discovery of knowledge in databases does not specify a set of processing methods or algorithms suitable for analysis, it determines the sequence of actions that must be performed in order to obtain knowledge from the initial data.

6. Our approach to computer knowledge is interdisciplinary and based on different areas of knowledge: logic, artificial intelligence and analytical data.

7. In machine learning methods, the unknown dependence of the approximating functions, solving constraints, etc.

8. Before data processing, as a rule, it is converted to one of the known types - qualitative or qualitative.

9. Basis theory based on principle: properties by relationships.

10. Within the framework of the relational approach, methods of limiting the use of ML-, KDD and DM-methods are used to use methods of using the theory of ontology representation and the use of first order logic.

**Reading Activity 11.**

1. What is a computer?

2. Who is in charge of software?

3. What is data mining?

4. What is machine learning?

5. When do we use artificial intelligence?

6. What is the purpose of clustering?

7. Why do we use cleansing?

8. How much data do people produce?

9. What problems can data mining solve?

10. What are advantages of data mining?