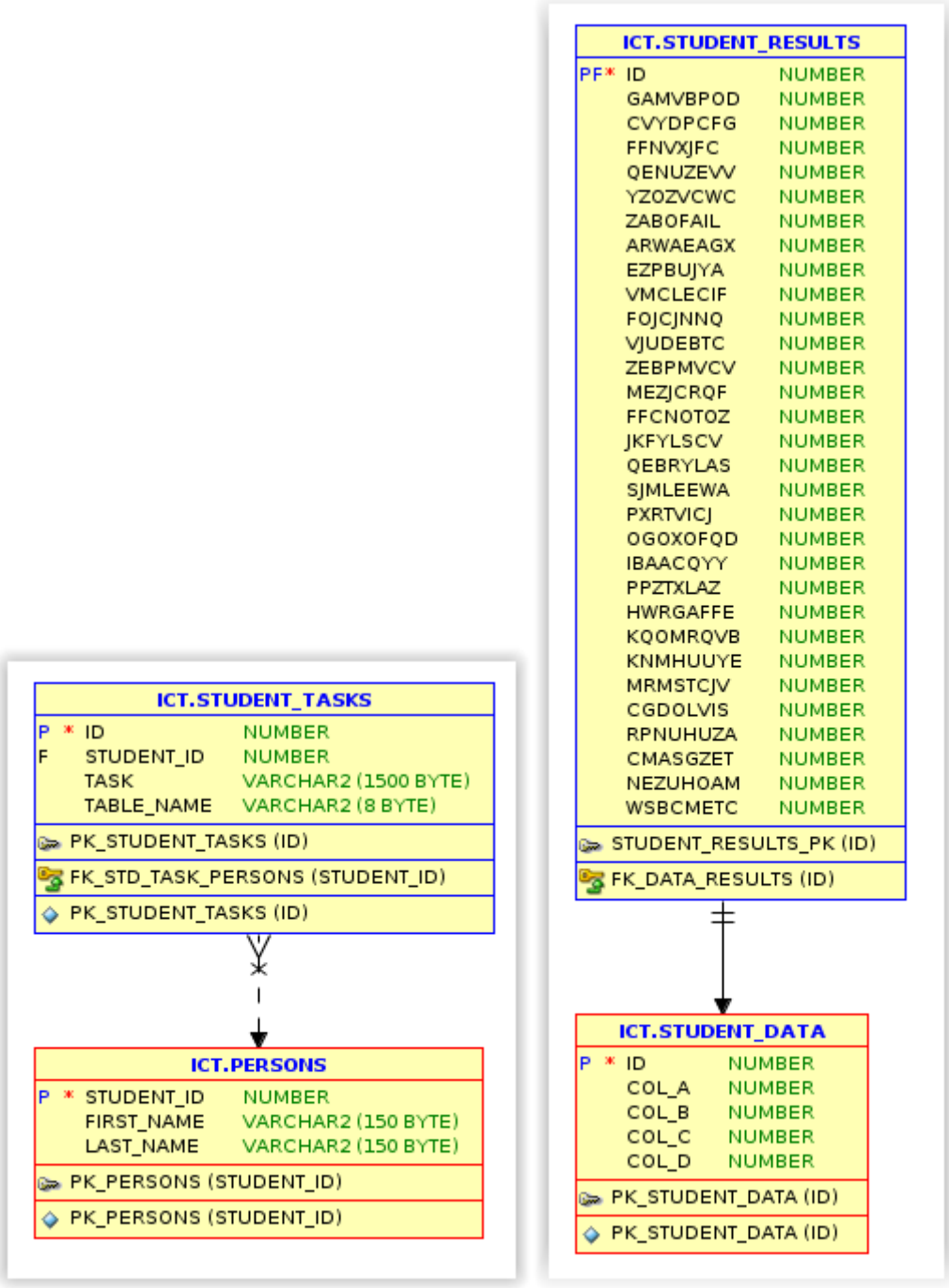
Database structure



Username: ICTstudent

Password: student

IP address: 150.254.223.99

Port: 11521

Database restrictions:

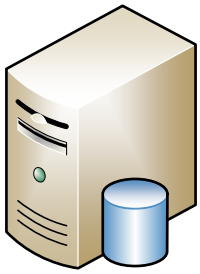
1. ICT.Persons -only select and insert,

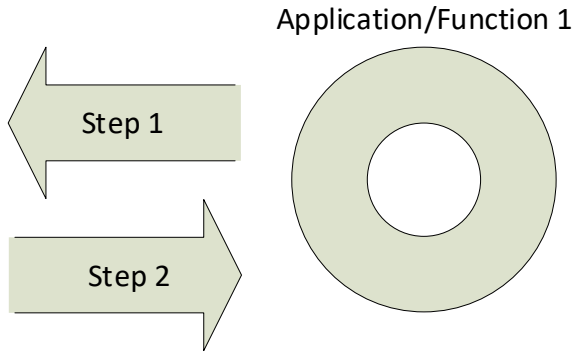
2.ICT.Student_Tasks only select

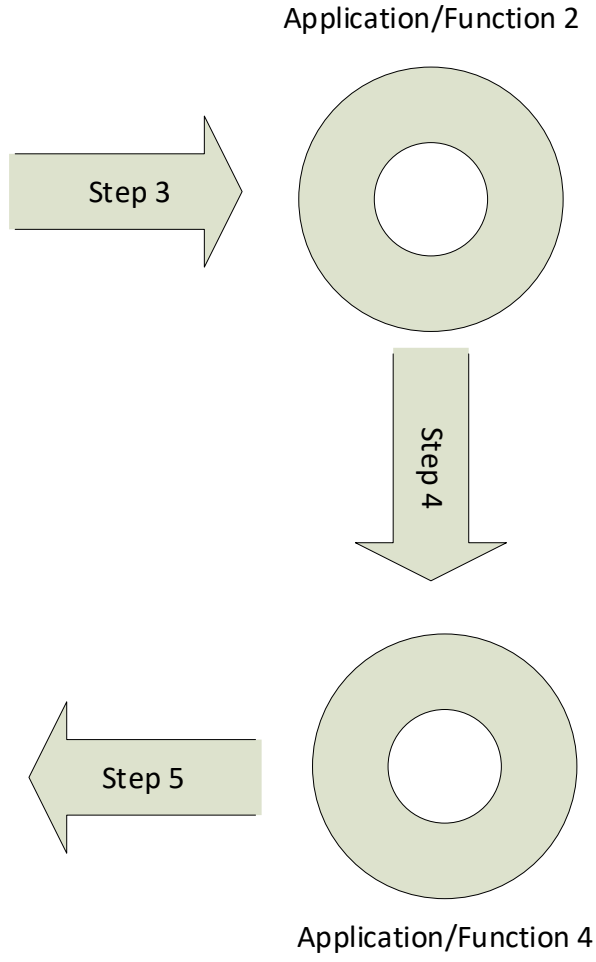
3. ICT.Student_data only Select

4. ICT_Student_results only select and update.

Username:	ICTstudent
Password:	student
IP address:	150.254.223.99
Port:	11521







Aplication/Function 1 (consol application or WinForm application):

Step 1: Insert your student id, first name and last name into ICT.Persons table.

Step 2: From table ICT.Student_tasks get and display an information about your task (column Task) and a name of the column (column table_name) which will be used in step 5.

Requested task and column name is located in a row where student_id column contains your student ID.

Application/function 2 (WinForm application):

Step 3: Download all data from table ICT.Student_data. Show downloaded data for instance in DataGridView element. Create and display additional DataGridView containing two columns: ID (which is equal to ID from ICT.Student_data) and RESULT that contains the results of operation defined by the task (from step 2). Using multithreading operation (2-4 threads) sort data in the second DataGridView element using RESULT column.

Step 4. Send (via TCP connection) all sorted data to application/function 4. Data must be send in form of SQL UPDATE statements. i.e. “Update ICT.StudentResults set abc = xyz where ID=rst”,
where:
abc – column name obtained in Step2,
rst , xyz – pair representing a row of sorted data.

Application/function3 (console application or WinForm application):

Step 5: Based on data received from Step4 update table ICT.Student_results.