Practical 6 – Physical DB: Tables, Primary Keys, Foreign Keys

Exercise 1

In exercise 4 of last week's Lab 5, we have created the logical model. Please build up the corresponding database either with the help of the GUI or by plain SQL-Code. Log in your userxx account to solve this exercise.
Feel free to use the solution of Lab 5 (see below) to adjust your own or simply use our suggested relations. Make up some data and insert them into the tables.

ARTIST

name	placeofbirth	dateofbirth	styledesc

ARTWORK

title	year	price	name	typeofartid

ARTGROUP

artgroupid	artgroupname

CUSTOMER

custid	custname	dateofbirth	totamaount	addresstxt

CLASSIFIES

artgroupid	title

LIKESARTGROUP

custid	artgroupid

LIKESARTIST

custid	name

TYPOFART

typeofartid	tyofadesc

Exercise 2

Build up the corresponding database of exercise 5 of Lab 5. Try to make up some data and insert them into the tables.

TEAM

name	city	coach	Captain_ID

PLAYER

ID	Name	Position	Skill_Level	Team

INJURY_RECORD

Player_ID	Injury_ID	Description

Gaming

Host_team	Guest_team	Date	Score

Exercise 3

Build up the corresponding database of exercise 3 of Lab 5. Pay attention to the foreign key of the ROUTEPOINT table. The combination of RID and MatrNo is foreign key, and points to the combination of RID and MatrNo in the relation ROUTE. Meanwhile, for the "Shape" attribute, you can use the data type "geometry", which is the data type for spatial vector objects. The course "Geo 875 Spatial Database" will look at this data type in details.

PERSON

MatrNo	Name	FirstName

ROUTE

RID	RName	MatrNo

ROUTEPOINT

RID	RPID	MatrNo	DateTime	Shape