HACETTEPE UNIVERSITY
DEPARTMENT OF COMPUTER
SCIENCE & ENGINEERING

Database Management Systems Laboratory Experiments
Phase 2

Subject: Create Table and View
Submission Date: 16.11.2012
Due Date: 29.11.2012
Teaching Assistants: Alaettin UÇAN, Cemil ZALLUHOĞLU

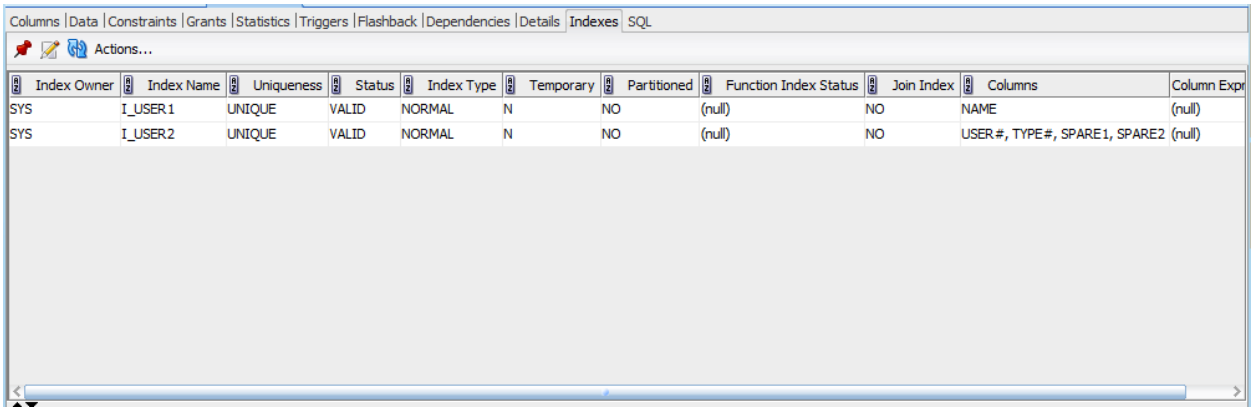
Introduction / Aim:
The aim of this phase is to implement creating objects and inserting data, learn how to write sql code using an interface and understand the logic of using views.

Details:
Creating the objects which are determined in your first phase of your projects. Doing that part you will learn how to connect database and write SQL codes using an interface. You can use MYSQL , ORACLE , MSSQL etc.

In this phase

- You must create all tables that you determined in the first phase
- Create minimum 10 views
- You must refresh your design and ER diagram and attach your *.PNG files in your report.
- Tables must be created being careful about primary and foreign keys possible screen shots taken from project, must be considered when creating views.

Screenshot Examples



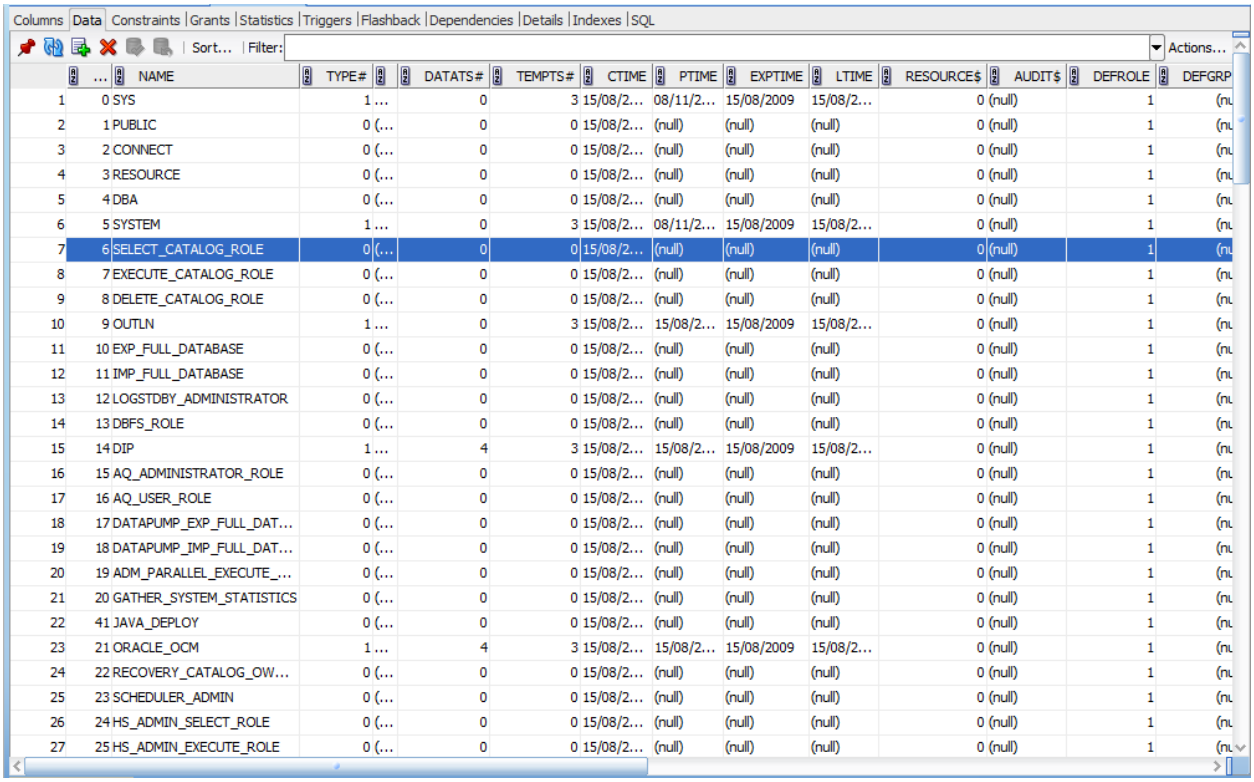

```
CREATE TABLE "SYS"."USER$"
 (    "USER#" NUMBER NOT NULL ENABLE,
  "NAME" VARCHAR2(30 BYTE) NOT NULL ENABLE,
  "TYPE#" NUMBER NOT NULL ENABLE,
  "PASSWORD" VARCHAR2(30 BYTE),
  "DATATS#" NUMBER NOT NULL ENABLE,
  "TEMPTS#" NUMBER NOT NULL ENABLE,
  "CTIME" DATE NOT NULL ENABLE,
  "PTIME" DATE,
  "EXPTIME" DATE,
  "LTIME" DATE,
  "RESOURCE$" NUMBER NOT NULL ENABLE,
  "AUDIT$" VARCHAR2(38 BYTE),
  "DEFROLE" NUMBER NOT NULL ENABLE,
  "DEFGRP#" NUMBER,
  "DEFGRP_SEQ#" NUMBER,
  "ASTATUS" NUMBER DEFAULT 0 NOT NULL ENABLE,
  "LCOUNT" NUMBER DEFAULT 0 NOT NULL ENABLE,
  "DEFSCHCLASS" VARCHAR2(30 BYTE),
  "EXT_USERNAME" VARCHAR2(4000 BYTE),
  "SPARE1" NUMBER,
  "SPARE2" NUMBER,
  "SPARE3" NUMBER,
  "SPARE4" VARCHAR2(1000 BYTE),
  "SPARE5" VARCHAR2(1000 BYTE),
  "SPARE6" DATE
 ) CLUSTER "SYS"."C_USER#" ("USER#");


CREATE UNIQUE INDEX "SYS"."I_USER1" ON "SYS"."USER$" ("NAME")
PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "SYSTEM" ;

CREATE UNIQUE INDEX "SYS"."I_USER2" ON "SYS"."USER$" ("USER#", "TYPE#", "SPARE1", "SPARE2")
PCTFREE 10 INITRANS 2 MAXTRANS 255 COMPUTE STATISTICS
STORAGE(INITIAL 65536 NEXT 1048576 MINEXTENTS 1 MAXEXTENTS 2147483645
PCTINCREASE 0 FREELISTS 1 FREELIST GROUPS 1 BUFFER_POOL DEFAULT FLASH_CACHE DEFAULT CELL_FLASH_CACHE DEFAULT)
TABLESPACE "SYSTEM" ;
```

Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

Actions...

Column Name	Data Type	Nullable	Data Default	COLUMN ID	Primary Key	COMMENTS
USER#	NUMBER	No	(null)	1	(null)	(null)
NAME	VARCHAR2(30 BYTE)	No	(null)	2	(null)	(null)
TYPE#	NUMBER	No	(null)	3	(null)	(null)
PASSWORD	VARCHAR2(30 BYTE)	Yes	(null)	4	(null)	(null)
DATATS#	NUMBER	No	(null)	5	(null)	(null)
TEMPTS#	NUMBER	No	(null)	6	(null)	(null)
CTIME	DATE	No	(null)	7	(null)	(null)
PTIME	DATE	Yes	(null)	8	(null)	(null)
EXPTIME	DATE	Yes	(null)	9	(null)	(null)
LTIME	DATE	Yes	(null)	10	(null)	(null)
RESOURCE$	NUMBER	No	(null)	11	(null)	(null)
AUDIT$	VARCHAR2(38 BYTE)	Yes	(null)	12	(null)	(null)
DEFROLE	NUMBER	No	(null)	13	(null)	(null)
DEFGRP#	NUMBER	Yes	(null)	14	(null)	(null)
DEFGRP_SEQ#	NUMBER	Yes	(null)	15	(null)	(null)
ASTATUS	NUMBER	No	0	16	(null)	(null)
LCOUNT	NUMBER	No	0	17	(null)	(null)
DEFSCHCLASS	VARCHAR2(30 BYTE)	Yes	(null)	18	(null)	(null)
EXT_USERNAME	VARCHAR2(4000 B...	Yes	(null)	19	(null)	(null)
SPARE1	NUMBER	Yes	(null)	20	(null)	(null)
SPARE2	NUMBER	Yes	(null)	21	(null)	(null)
SPARE3	NUMBER	Yes	(null)	22	(null)	(null)
SPARE4	VARCHAR2(1000 B...	Yes	(null)	23	(null)	(null)
SPARE5	VARCHAR2(1000 B...	Yes	(null)	24	(null)	(null)
SPARE6	DATE	Yes	(null)	25	(null)	(null)

```
  CREATE VIEW "SYS"."USER_SEQUENCES" ("SEQUENCE_NAME", "MIN_VALUE", "MAX_VALUE", "INCREMENT_BY",
     "CYCLE_FLAG", "ORDER_FLAG", "CACHE_SIZE", "LAST_NUMBER") AS
  select o.name,
       s.minvalue, s.maxvalue, s.increment$,
       decode (s.cycle#, 0, 'N', 1, 'Y'),
       decode (s.order$, 0, 'N', 1, 'Y'),
       s.cache, s.highwater
from sys.seq$ s, sys.obj$ o
where o.owner# = userenv('SCHEMAID')
  and o.obj# = s.obj#;
```



Columns | Data | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Indexes | SQL

Sort... | Filter: | Actions...

	...	NAME	TYPE#	...	DATATS#	TEMPTS#	CTIME	PTIME	EXPTIME	LTIME	RESOURCE$	AUDIT$	DEFROLE	DEFGRP
1	0	SYS	1	...	0	3	15/08/2...	08/11/2...	15/08/2009	15/08/2...	0	(null)	1	(nu
2	1	PUBLIC	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
3	2	CONNECT	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
4	3	RESOURCE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
5	4	DBA	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
6	5	SYSTEM	1	...	0	3	15/08/2...	08/11/2...	15/08/2009	15/08/2...	0	(null)	1	(nu
7	6	SELECT_CATALOG_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
8	7	EXECUTE_CATALOG_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
9	8	DELETE_CATALOG_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
10	9	OUTLN	1	...	0	3	15/08/2...	15/08/2...	15/08/2009	15/08/2...	0	(null)	1	(nu
11	10	EXP_FULL_DATABASE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
12	11	IMP_FULL_DATABASE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
13	12	LOGSTDBY_ADMINISTRATOR	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
14	13	DBFS_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
15	14	DIP	1	...	4	3	15/08/2...	15/08/2...	15/08/2009	15/08/2...	0	(null)	1	(nu
16	15	AQ_ADMINISTRATOR_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
17	16	AQ_USER_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
18	17	DATAPUMP_EXP_FULL_DAT...	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
19	18	DATAPUMP_IMP_FULL_DAT...	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
20	19	ADM_PARALLEL_EXECUTE_...	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
21	20	GATHER_SYSTEM_STATISTICS	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
22	41	JAVA_DEPLOY	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
23	21	ORACLE_OCM	1	...	4	3	15/08/2...	15/08/2...	15/08/2009	15/08/2...	0	(null)	1	(nu
24	22	RECOVERY_CATALOG_OW...	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
25	23	SCHEDULER_ADMIN	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
26	24	HS_ADMIN_SELECT_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu
27	25	HS_ADMIN_EXECUTE_ROLE	0	(...	0	0	15/08/2...	(null)	(null)	(null)	0	(null)	1	(nu

Grading

In this phase you will get 20 points over a hundred in your final work.

List of Submit Groups

1	b20300875	AİMİREJİANG	TUERGAN
2	b20521583	SEMİH	KOYU
3	b20521597	MEHMET	KOZAN
4	b20521622	NUMAN	MEÇOĞLU
5	b20624486	HAKAN	ERDAL
6	b20724428	BETÜL	ALTINDİŞ
7	b20724466	YUSUF	BAHÇECİ
8	b20724562	METİN	ÇELİK
9	b20724576	FURKAN	ÇENGEL
10	b20724653	HAKAN	DEMİR
11	b20724849	OĞUZHAN	KARACÜLLÜ
12	b20724892	SEMİH	MALKOÇ
13	b20725114	AYŞEGÜL	YAVUZ
14	b20802576	NURYAGDY	MUSTAPAYEV

15	b20825883	BEŞİR	AKTAŞ
16	b20825897	ALPER	ALTINAY
17	b20825922	YEŞİM	ASLAN
18	b20826009	IŞIL	BAŞARAN
19	b20826014	SEDAT	BAŞARAN
20	b20826028	SİNAN	BAYINDIR
21	b20826033	FATİH	BÖREKCİ
22	b20826066	BÜŞRA	ÇANAK
23	b20826071	CEM	ÇANKAYA
24	b20826105	BİLGE	DAĞDEVİREN
25	b20826124	TARIK	DEMİR
26	b20826143	ÖZLEM	DOĞAN
27	b20826272	ONUR	HAVARE
28	b20826449	BEKİR	ÖZGÜNLÜ
29	b20826454	KAAN	ÖZHAN
30	b20826578	MUHARREM	TUNÇ
31	b20826641	LEVENT	YILDIZ
32	b20870233	AYŞEGÜL	ÖTEGEN
33	b20902977	BUŞRA	ALİLİ
34	b20925992	GÜLİZ	AKKAYA
35	b20926008	GAMZE	AKMAN
36	b20926084	GÖKÇE	AYDUĞAN
37	b20926252	YILDIZ	ÇORAKCI
38	b20926266	ERDEM	ÇULCU
39	b20926285	BERKAN	DEMİREL
40	b20926299	GÖKHAN	DOĞRAMACI
41	b20926305	RECEP	DUR
42	b20926324	GÖRKEM	ESİRGEN
43	b20926362	EBUBEKİR	GÜLER
44	b20926472	UTKU	KAPLAN
45	b20926491	ENİSE	KILAVUZ
46	b20926563	CEYLAN	KÜTÜK
47	b20926602	PELİN	ODAMAN
48	b20926616	ALPER	ÖCAL
49	b20926635	ANIL	ÖZBERK
50	b20926668	TUBA	ÖZTÜRK
51	b21026711	FURKAN	AYDOĞDU
52	b9421132	SEVAL	İNCEOĞLU

Submit Format

phase2.zip/
- diagram/*.txp
  - /*.png
- report/*.pdf
- sql/*.sql

NOTES AND RESTRICTIONS:

1- You tell us your project with your own words. Report language must be in English.
2- You are expected to do this experiment on a hard copy as a report.
3- Your experiment must be submitted before due date. Late submissions will not be accepted
4- The assignment must be original, **group** work. Modified experiments will be considered as cheating. But one of the group member will submit their files.