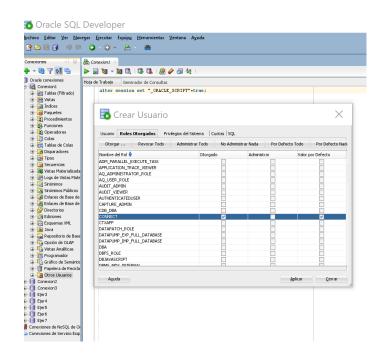
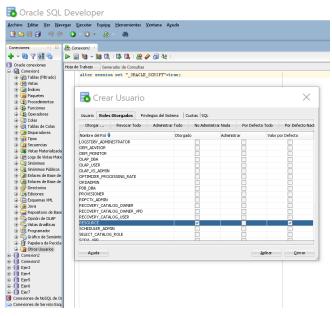
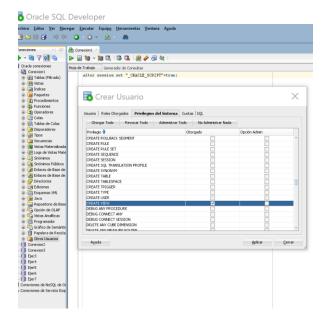
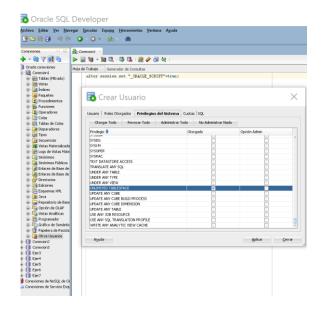
EXAMEN PRÁXTICO BBDD - SQL (1)

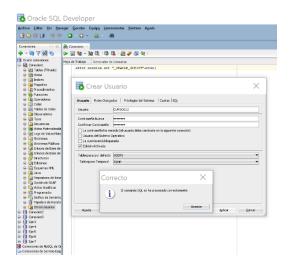


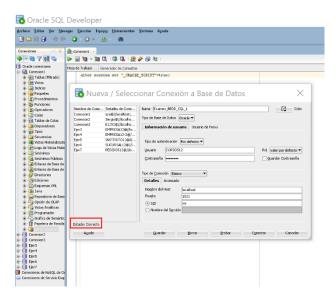


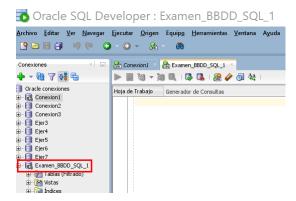




Examen Práctico BBDD - SQL (1)





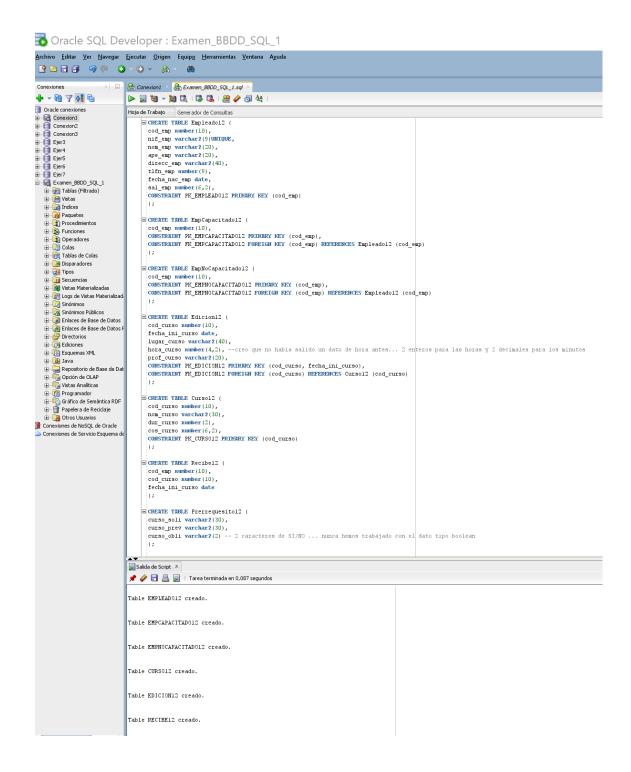


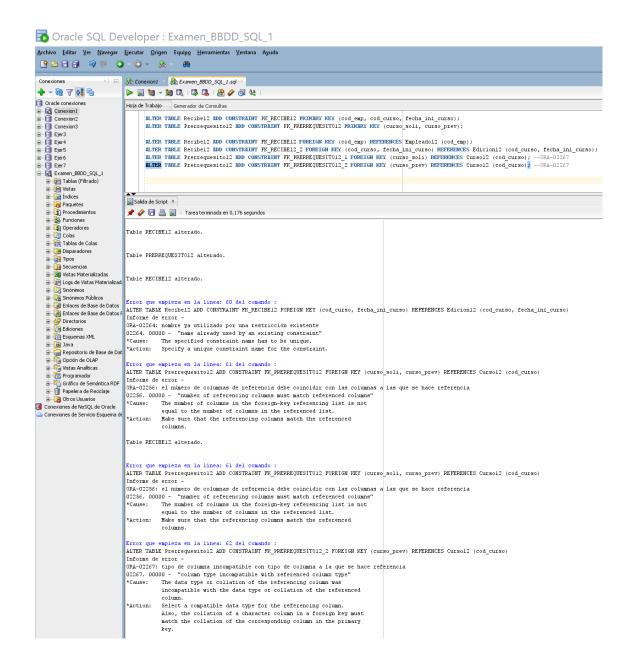
1. Crear las tablas con restricciones en el momento y después

```
CREATE TABLE Empleado12 (
cod emp number(10),
nif_emp varchar2(9)UNIQUE,
nom_emp varchar2(20),
ape_emp varchar2(20),
direcc_emp varchar2(40),
tlfn emp number(9),
fecha_nac_emp date,
sal_emp number(6,2),
CONSTRAINT PK EMPLEADO12 PRIMARY KEY (cod emp)
);
CREATE TABLE EmpCapacitado12 (
cod_emp number(10),
CONSTRAINT PK_EMPCAPACITADO12 PRIMARY KEY (cod_emp),
CONSTRAINT FK_EMPCAPACITADO12 FOREIGN KEY (cod_emp) REFERENCES Empleado12 (cod_emp)
);
CREATE TABLE EmpNoCapacitado12 (
cod emp number(10),
CONSTRAINT PK_EMPNOCAPACITADO12 PRIMARY KEY (cod_emp),
CONSTRAINT FK_EMPNOCAPACITADO12 FOREIGN KEY (cod_emp) REFERENCES Empleado12 (cod_emp)
);
CREATE TABLE Edicion12 (
cod curso number(10),
fecha_ini_curso date,
lugar_curso varchar2(40),
hora curso number(4,2), --creo que no habia salido un dato de hora antes... 2 enteros para las horas y 2
decimales para los minutos
prof_curso varchar2(20),
CONSTRAINT PK EDICION12 PRIMARY KEY (cod curso, fecha ini curso),
CONSTRAINT FK EDICION12 FOREIGN KEY (cod curso) REFERENCES Curso12 (cod curso)
);
```

```
Examen Práctico BBDD - SQL (1)
CREATE TABLE Curso12 (
cod_curso number(10),
nom_curso varchar2(30),
dur_curso number(2),
cos_curso number(6,2),
CONSTRAINT PK_CURSO12 PRIMARY KEY (cod_curso)
);
CREATE TABLE Recibe12 (
cod_emp number(10),
cod_curso number(10),
fecha_ini_curso date
);
CREATE TABLE Prerrequesito12 (
curso_soli varchar2(30),
curso_prev varchar2(30),
curso_obli varchar2(2) -- 2 caracteres de SI/NO ... nunca hemos trabajado con el dato tipo boolean
```

);





ALTER TABLE Recibe12 **ADD CONSTRAINT** PK_RECIBE12 **PRIMARY KEY** (cod_emp, cod_curso, fecha_ini_curso);

ALTER TABLE Prerrequesito12 **ADD CONSTRAINT** PK_PRERREQUESITO12 **PRIMARY KEY** (curso_soli, curso_prev);

ALTER TABLE Recibe12 **ADD CONSTRAINT** FK_RECIBE12 **FOREIGN KEY** (cod_emp) **REFERENCES** Empleado12 (cod_emp);

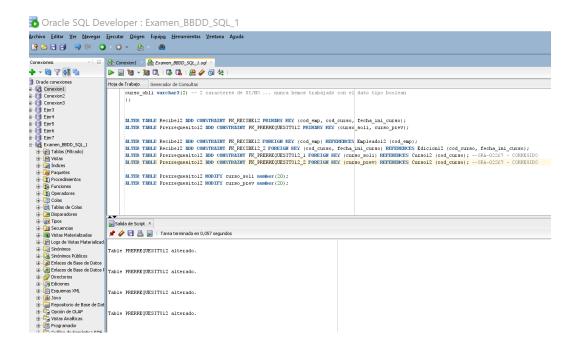
ALTER TABLE Recibe12 **ADD CONSTRAINT** FK_RECIBE12_2 **FOREIGN KEY** (cod_curso, fecha_ini_curso) **REFERENCES** Edicion12 (cod_curso, fecha_ini_curso);

ALTER TABLE Prerrequesito12 **ADD CONSTRAINT** FK_PRERREQUESITO12_1 **FOREIGN KEY** (curso_soli) **REFERENCES** Curso12 (cod_curso); --ORA-02267 - CORREGIDO

ALTER TABLE Prerrequesito12 **ADD CONSTRAINT** FK_PRERREQUESITO12_2 **FOREIGN KEY** (curso_prev) **REFERENCES** Curso12 (cod_curso); --ORA-02267 - CORREGIDO

ALTER TABLE Prerrequesito 12 MODIFY curso soli number (20);

ALTER TABLE Prerrequesito 12 MODIFY curso prev number (20);



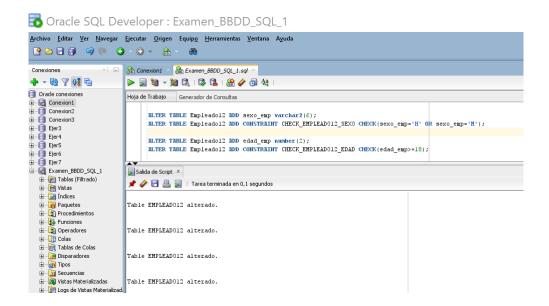
2. H (hombre) M (mujer) Edad (mayores de 18) en Empleado12.

ALTER TABLE Empleado12 ADD sexo_emp varchar2(6);

ALTER TABLE Empleado12 **ADD CONSTRAINT** CHECK_EMPLEADO12_SEXO **CHECK**(sexo_emp='H' OR sexo_emp='M');

ALTER TABLE Empleado12 ADD edad emp number(2);

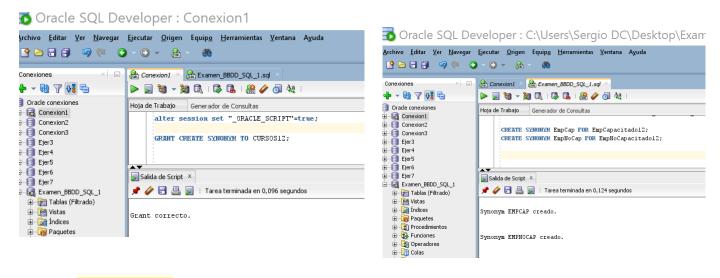
ALTER TABLE Empleado12 **ADD CONSTRAINT** CHECK_EMPLEADO12_EDAD **CHECK**(edad_emp>=18);



3. Crear sinónimos.

CREATE SYNONYM EmpCap **FOR** EmpCapacitado12;

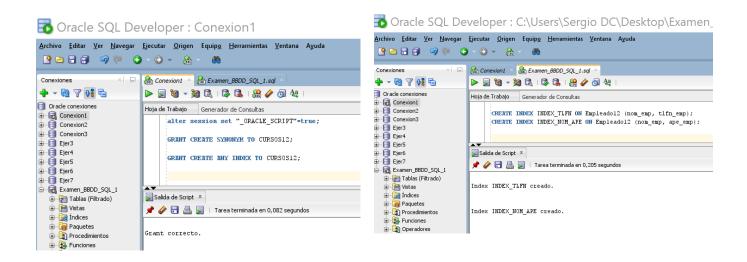
CREATE SYNONYM EmpNoCap FOR EmpNoCapacitado12;



4. Crear Índices.

CREATE INDEX INDEX TLFN ON Empleado12 (nom emp, tlfn emp);

CREATE INDEX INDEX NOM APE ON Empleado12 (nom emp, ape emp);



5. Crear Vistas.

CREATE VIEW v emp AS SELECT cod emp, nif emp, nom emp, ape emp, tlfn emp, fecha_nac_emp, edad_emp, sexo_emp FROM Empleado12;

Oracle SQL Developer : C:\Users\Sergio DC\Desktop\Examen_BBDD_SQL_1.sql



6. Crear Secuencia.

CREATE SEQUENCE seq_cod_emp

INCREMENT BY 1

START WITH 10000

MINVALUE 1

MAXVALUE 99999

NOCYCLE;

To Oracle SQL Developer: Conexion 1

