# DBS301 DE Lab 7 *– Muhammad AHMED – 126330166 SEC D*

**NEBOJSA CONKIC**

CLIENT

CREATE TABLE CLIENT (

Client\_id NUMBER(5),

Client\_name VARCHAR2(20) NOT NULL,

Client\_address VARCHAR2(30),

Client\_city VARCHAR2(10) NOT NULL,

Client\_prov CHAR(2) NOT NULL,

Client\_postal CHAR(6) NOT NULL,

CONSTRAINT Client\_id\_PK PRIMARY KEY (Client\_id),

CONSTRAINT Client\_name\_UK UNIQUE (Client\_name)

);

*PROG*

CREATE TABLE PROG (

Prog\_id NUMBER(5),

Prog\_name VARCHAR2(30) NOT NULL,

Prog\_office CHAR(4) NOT NULL,

Prog\_phone CHAR(10) NOT NULL,

CONSTRAINT Prog\_id\_PK PRIMARY KEY (Prog\_id)

);

*PROJECT*

CREATE TABLE PROJECTS (

Project\_id NUMBER(6),

Project\_name VARCHAR2(40) NOT NULL,

Complet\_date DATE,

Total\_cost NUMBER(8,2),

Client\_id NUMBER(5) NOT NULL,

CONSTRAINT Proj\_id\_PK PRIMARY KEY(Project\_id),

CONSTRAINT Total\_CostCK CHECK (Total\_cost > 0),

CONSTRAINT Client\_id\_FK FOREIGN KEY (Client\_id) REFERENCES CLIENT (Client\_id));

*PROJECT\_STAFF*

CREATE TABLE PROJECTS\_STAFF (

Prog\_id NUMBER(5),

Project\_id NUMBER(6),

Week\_year NUMBER(6),

Hours\_worked NUMBER(4,1) NOT NULL,

CONSTRAINT Prog\_id\_FK FOREIGN KEY(Prog\_id) REFERENCES PROG (Prog\_id),

CONSTRAINT Project\_id\_FK FOREIGN KEY(Project\_id) REFERENCES PROJECTS (Project\_id),

CONSTRAINT Week\_yearCK CHECK (Week\_year > 0)

);