**1. Creating a new table similar to L\_FOODS with menu\_item as the first column**  
CREATE TABLE sec0601\_foods (   
 menu\_item VARCHAR2(50),   
 supplier\_id VARCHAR2(10),   
 product\_code VARCHAR2(10),   
 description VARCHAR2(100),   
 price NUMBER(7,2),   
 price\_increase NUMBER(5,2)   
)

Table created. 0.02 seconds

**2. Creating a table with all text datatypes and inserting test data**  
CREATE TABLE sec0603\_text\_types (   
 id NUMBER PRIMARY KEY,   
 char\_col CHAR(10),   
 varchar2\_col VARCHAR2(50),   
 clob\_col CLOB   
)

Table created. 0.02 seconds  
INSERT INTO sec0603\_text\_types VALUES (1, 'ABC', 'Sample Text', 'This is a CLOB column with long text.')

1 row(s) inserted. 0.08 seconds  
INSERT INTO sec0603\_text\_types VALUES (2, 'DEF', 'Another Text', 'Another long CLOB example.')

1 row(s) inserted. 0.01 seconds

**3. Copying all data from L\_FOODS to sec0607\_foods**

DROP TABLE sec0607\_foods

Table dropped. 0.02 seconds   
CREATE TABLE sec0607\_foods AS SELECT \* FROM L\_FOODS

Table created. 0.03 seconds

**4. Showing Oracle code for creating L\_EMPLOYEES**  
SELECT DBMS\_METADATA.GET\_DDL('TABLE', 'L\_EMPLOYEES') FROM DUAL

|  |
| --- |
| **DBMS\_METADATA.GET\_DDL('TABLE','L\_EMPLOYEES')** |
| CREATE TABLE "WKSP\_HALARC1407"."L\_EMPLOYEES" ( "EMPLOYEE\_ID" NUMBER(3,0), "FIRST\_NAME" VARCHAR2(10), "LAST\_NAME" VARCHAR2(20), "DEPT\_CODE" VARCHAR2(3), "HIRE\_DATE" DATE, "CREDIT\_LIMIT" NUMBER(4,2), "PHONE\_NUMBER" VARCHAR2(4), "MANAGER\_ID" NUMBER(3,0), CONSTRAINT "PK\_L\_EMPLOYEES" PRIMARY KEY ("EMPLOYEE\_ID") USING INDEX 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 "APEX\_BIGFILE\_INSTANCE\_TBS2" ENABLE, CONSTRAINT "NN\_L\_EMPLOYEES\_FIRST\_NAME" CHECK (FIRST\_NAME IS NOT NULL) ENABLE, CONSTRAINT "NN\_L\_EMPLOYEES\_LAST\_NAME" CHECK (LAST\_NAME IS NOT NULL) ENABLE, CONSTRAINT "UNIQUE\_L\_EMPLOYEES\_FULL\_NAME" UNIQUE ("FIRST\_NAME", "LAST\_NAME") USING INDEX 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 "APEX\_BIGFILE\_INSTANCE\_TBS2" ENABLE, CONSTRAINT "UNIQUE\_L\_EMPPLOYEES\_PHONE\_NUM" UNIQUE ("PHONE\_NUMBER") USING INDEX 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 "APEX\_BIGFILE\_INSTANCE\_TBS2" ENABLE, CONSTRAINT "FK\_L\_EMPLOYEES\_DEPT\_CODE" FOREIGN KEY ("DEPT\_CODE") REFERENCES "WKSP\_HALARC1407"."L\_DEPARTMENTS" ("DEPT\_CODE") ENABLE, CONSTRAINT "FK\_L\_EMPLOYEES\_MANAGER\_ID" FOREIGN KEY ("MANAGER\_ID") REFERENCES "WKSP\_HALARC1407"."L\_EMPLOYEES" ("EMPLOYEE\_ID") ENABLE ) SEGMENT CREATION IMMEDIATE PCTFREE 10 PCTUSED 40 INITRANS 1 MAXTRANS 255 NOCOMPRESS LOGGING 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 "APEX\_BIGFILE\_INSTANCE\_TBS2" |

Statement processed. 1.55 seconds

**5. Adding a composite primary key (supplier\_id, product\_code) to sec0609\_foods**  
ALTER TABLE sec0609\_foods ADD CONSTRAINT pk\_sec0609 PRIMARY KEY (supplier\_id, product\_code)

Table altered. 0.06 seconds

**6. Changing the primary key of sec0610\_foods to menu\_item**  
ALTER TABLE sec0610\_foods DROP PRIMARY KEY

Statement processed. 0.01 seconds

ALTER TABLE sec0610\_foods ADD CONSTRAINT pk\_sec0610 PRIMARY KEY (menu\_item)

Statement processed. 0.02 seconds

**7. Adding a new column date\_introduced to sec0613\_foods**  
ALTER TABLE sec0613\_foods ADD (date\_introduced DATE)

Table altered. 0.04 seconds

**8. Changing column datatypes for sec0612\_foods**  
ALTER TABLE sec0612\_foods MODIFY description VARCHAR2(25)

Table altered. 0.03 seconds  
ALTER TABLE sec0612\_foods MODIFY price NUMBER(7,2)

Table altered. 0.03 seconds

**9. Deleting price\_increase column from sec0613\_foods**  
ALTER TABLE sec0613\_foods DROP COLUMN price\_increase

Table altered. 0.05 seconds

**10. Creating sec0614\_phone\_list table with modifications**  
CREATE TABLE sec0614\_phone\_list AS   
SELECT last\_name, first\_name, phone\_number AS ext FROM L\_EMPLOYEES

Table created. 0.04 seconds  
ALTER TABLE sec0614\_phone\_list ADD (notes VARCHAR2(200))

Table altered. 0.04 seconds  
UPDATE sec0614\_phone\_list SET ext = '9408' WHERE last\_name = 'WOODS'

1 row(s) updated. 0.01 seconds