The EMP and DEPT tables in Oracle

I often use the *EMP* and *DEPT* tables for test and demonstration purposes. Both these tables are owned by the *SCOTT* user, together with two less frequently used tables: *BONUS* and *SALGRADE*. Execute the below code snippets to create and seed the *EMP* and *DEPT* tables in your own schema. The *BONUS* and *SALGRADE* tables are included as well, but are commented out. The DDL (data definition language) part creates the tables, the DML (data manipulation language) part inserts the data. //Comment Section

```
create table dept(
  deptno number(2,0),
  dname  varchar2(14),
  loc    varchar2(13),
  constraint pk_dept primary key (deptno)
);

create table emp(
  empno   number(4,0),
  ename   varchar2(10),
  job     varchar2(9),
  mgr     number(4,0),
  hiredate date,
  sal     number(7,2),
  comm    number(7,2),
  deptno  number(2,0),
  constraint pk_emp primary key (empno),
  constraint fk_deptno foreign key (deptno) references dept (deptno)
);
```

DML

```
insert into dept
values(10, 'ACCOUNTING', 'NEW YORK');
insert into dept
values(20, 'RESEARCH', 'DALLAS');
insert into dept
values(30, 'SALES', 'CHICAGO');
insert into dept
values(40, 'OPERATIONS', 'BOSTON');
```

```sql
insert into emp values(
 7839, 'KING', 'PRESIDENT', null, to_date('17-11-1981','dd-mm-yyyy'),
 5000, null, 10);

insert into emp values(
 7698, 'BLAKE', 'MANAGER', 7839, to_date('1-5-1981','dd-mm-yyyy'),
 2850, null, 30);

insert into emp values(
 7782, 'CLARK', 'MANAGER', 7839, to_date('9-6-1981','dd-mm-yyyy'),
 2450, null, 10);

insert into emp values(
 7566, 'JONES', 'MANAGER', 7839, to_date('2-4-1981','dd-mm-yyyy'),
 2975, null, 20);

insert into emp values(
 7788, 'SCOTT', 'ANALYST', 7566, to_date('13-JUL-87','dd-mm-rr') - 85,
 3000, null, 20);

insert into emp values(
 7902, 'FORD', 'ANALYST', 7566, to_date('3-12-1981','dd-mm-yyyy'),
 3000, null, 20);

insert into emp values(
 7369, 'SMITH', 'CLERK', 7902, to_date('17-12-1980','dd-mm-yyyy'),
 800, null, 20);

insert into emp values(
 7499, 'ALLEN', 'SALESMAN', 7698, to_date('20-2-1981','dd-mm-yyyy'),
 1600, 300, 30);

insert into emp values(
 7521, 'WARD', 'SALESMAN', 7698, to_date('22-2-1981','dd-mm-yyyy'),
 1250, 500, 30);

insert into emp values(
7654, 'MARTIN', 'SALESMAN', 7698, to_date('28-9-1981','dd-mm-yyyy'),
 1250, 1400, 30);

insert into emp values(
 7844, 'TURNER', 'SALESMAN', 7698, to_date('8-9-1981','dd-mm-yyyy'),
 1500, 0, 30);
```

```
insert into emp values(
 7876, 'ADAMS', 'CLERK', 7788, to_date('13-JUL-87', 'dd-mm-yyyy),
 1100, null, 20);

insert into emp values(
 7900, 'JAMES', 'CLERK', 7698, to_date('3-12-1981','dd-mm-yyyy'),
 950, null, 30);

insert into emp values(
 7934, 'MILLER', 'CLERK', 7782, to_date('23-1-1982','dd-mm-yyyy'),
 1300, null, 10);
```