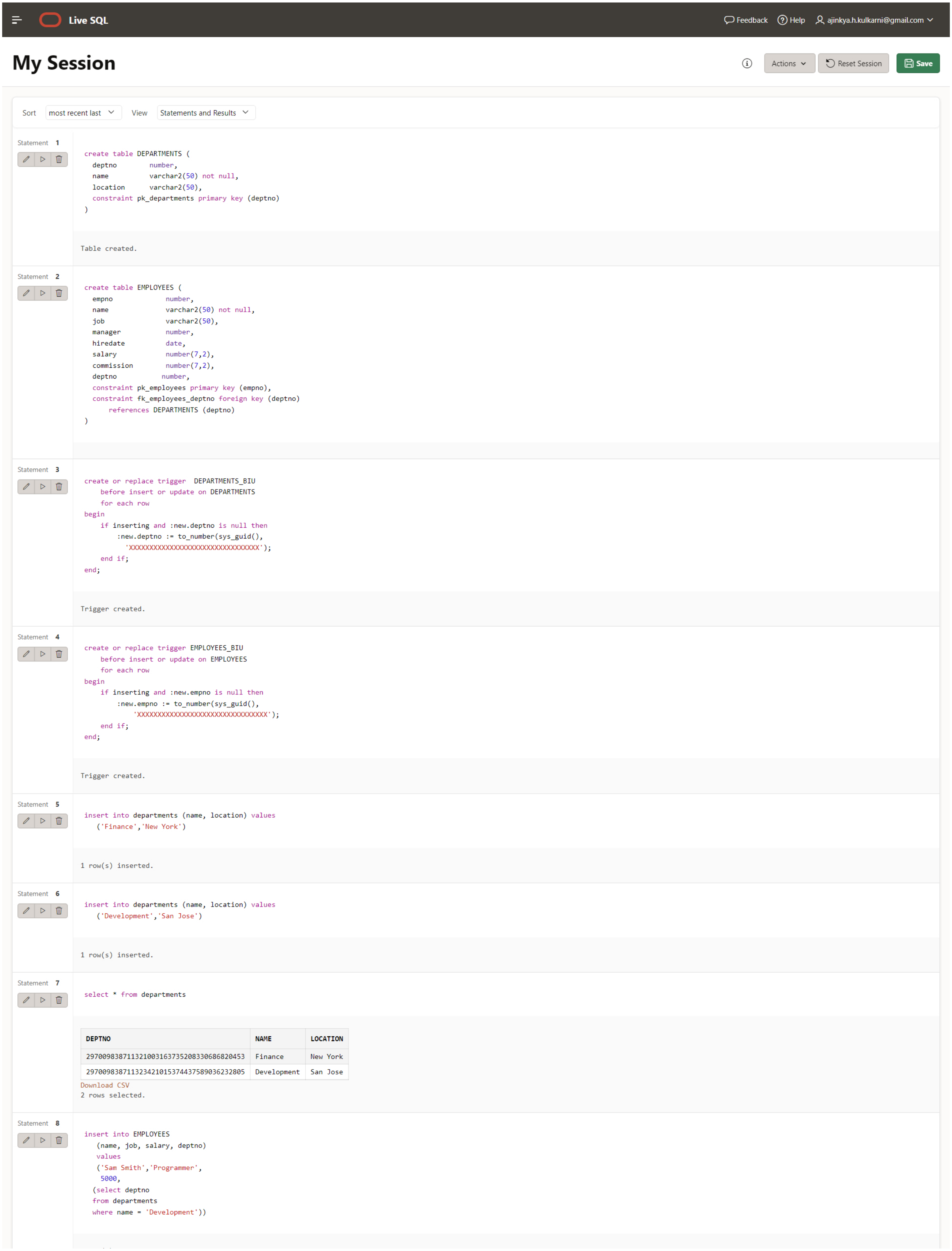

My Session

Statement 1

```
create table DEPARTMENTS (
  deptno        number,
  name          varchar2(50) not null,
  location      varchar2(50),
  constraint pk_departments primary key (deptno)
)
```

```
Table created.
```

Statement 2

```
create table EMPLOYEES (
  empno             number,
  name              varchar2(50) not null,
  job               varchar2(50),
  manager           number,
  hiredate          date,
  salary            number(7,2),
  commission        number(7,2),
  deptno           number,
  constraint pk_employees primary key (empno),
  constraint fk_employees_deptno foreign key (deptno)
      references DEPARTMENTS (deptno)
)
```

Statement 3

```
create or replace trigger  DEPARTMENTS_BIU
    before insert or update on DEPARTMENTS
    for each row
begin
    if inserting and :new.deptno is null then
        :new.deptno := to_number(sys_guid(),
          'XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX');
    end if;
end;
```

```
Trigger created.
```

Statement 4

```
create or replace trigger EMPLOYEES_BIU
    before insert or update on EMPLOYEES
    for each row
begin
    if inserting and :new.empno is null then
        :new.empno := to_number(sys_guid(),
          'XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX');
    end if;
end;
```

```
Trigger created.
```

Statement 5

```
insert into departments (name, location) values
   ('Finance','New York')
```

```
1 row(s) inserted.
```

Statement 6

```
insert into departments (name, location) values
   ('Development','San Jose')
```

```
1 row(s) inserted.
```

Statement 7

```
select * from departments
```

DEPTNO	NAME	LOCATION
297009838711321003163735208330686820453	Finance	New York
297009838711323421015374437589036232805	Development	San Jose

Download CSV

```
2 rows selected.
```

Statement 8

```
insert into EMPLOYEES
   (name, job, salary, deptno)
   values
   ('Sam Smith','Programmer',
    5000,
  (select deptno
  from departments
  where name = 'Development'))
```

```
1 row(s) inserted.
```

Statement 9

```
insert into EMPLOYEES
   (name, job, salary, deptno)
   values
   ('Mara Martin','Analyst',
   6000,
   (select deptno
   from departments
   where name = 'Finance'))
```

```
1 row(s) inserted.
```

Statement 10

```
insert into EMPLOYEES
   (name, job, salary, deptno)
   values
   ('Yun Yates','Analyst',
   5500,
   (select deptno
   from departments
   where name = 'Development'))
```

```
1 row(s) inserted.
```

Statement 11

```
select table_name "Table",
       index_name "Index",
       column_name "Column",
       column_position "Position"
from  user_ind_columns
where table_name = 'EMPLOYEES' or
      table_name = 'DEPARTMENTS'
order by table_name, column_name, column_position
```

Table	Index	Column	Position
DEPARTMENTS	PK_DEPARTMENTS	DEPTNO	1
EMPLOYEES	PK_EMPLOYEES	EMPNO	1

Download CSV
2 rows selected.

Statement 12

```
create index employee_dept_no_fk_idx
on employees (deptno)
```

```
Index created.
```

Statement 13

```
create unique index employee_ename_idx
on employees (name)
```

```
Index created.
```

Statement 14

```
select * from employees
```

EMPNO	NAME	JOB	MANAGER	HIREDATE	SALARY	COMMISSION	DEPTNO
297013057090185564599783447082413228007	Sam Smith	Programmer	-	-	5000	-	297009838711323421015374437589036232805
297013057090187982451422676340762640359	Mara Martin	Analyst	-	-	6000	-	297009838711321003163735208330686820453
297013057090190400303061905599112052711	Yun Yates	Analyst	-	-	5500	-	297009838711323421015374437589036232805

Download CSV
3 rows selected.

Statement 15

```
select e.name employee,
          d.name department,
          e.job,
          d.location
from departments d, employees e
where d.deptno = e.deptno(+)
order by e.name
```

EMPLOYEE	DEPARTMENT	JOB	LOCATION
Mara Martin	Finance	Analyst	New York
Sam Smith	Development	Programmer	San Jose
Yun Yates	Development	Analyst	San Jose

Download CSV
3 rows selected.

Statement 16

```
select e.name employee,
          (select name
           from departments d
           where d.deptno = e.deptno) department,
           e.job
from employees e
order by e.name
```

EMPLOYEE	DEPARTMENT	JOB

Mara Martin	Finance	Analyst
Sam Smith	Development	Programmer
Yun Yates	Development	Analyst

Download CSV

3 rows selected.

Statement 17

```
alter table EMPLOYEES
add country_code varchar2(2)
```

```
Table altered.
```

Statement 18

```
select table_name, tablespace_name, status
```

Statement 1

```
create table DEPARTMENTS (
  deptno        number,
  name          varchar2(50) not null,
  location      varchar2(50),
  constraint pk_departments primary key (deptno)
)
```

```
Table created.
```

Statement 2

```
create table EMPLOYEES (
  empno             number,
  name              varchar2(50) not null,
  job               varchar2(50),
  manager           number,
  hiredate          date,
  salary            number(7,2),
  commission        number(7,2),
  deptno           number,
  constraint pk_employees primary key (empno),
  constraint fk_employees_deptno foreign key (deptno)
      references DEPARTMENTS (deptno)
)
```

6	SALARY	NUMBER
7	COMMISSION	NUMBER
8	DEPTNO	NUMBER
9	COUNTRY_CODE	VARCHAR2

Download CSV

9 rows selected.

Statement 20

```
update employees
set country_code = 'US'
```

```
3 row(s) updated.
```

Statement 21

```
update employees
set commission = 2000
where  name = 'Sam Smith'
```

```
1 row(s) updated.
```

Statement 22

```
select name, country_code, salary, commission
from employees
```

NAME	COUNTRY_CODE	SALARY	COMMISSION
Mara Martin	US	6000	-
Sam Smith	US	5000	2000
Yun Yates	US	5500	-

Download CSV

3 rows selected.

Statement 23

```
select
      count(*) employee_count,
      sum(salary) total_salary,
      sum(commission) total_commission,
      min(salary + nvl(commission,0)) min_compensation,
      max(salary + nvl(commission,0)) max_compensation
from employees
```

EMPLOYEE_COUNT	TOTAL_SALARY	TOTAL_COMMISSION	MIN_COMPENSATION	MAX_COMPENSATION
3	16500	2000	5500	7000

Download CSV

Statement 24

```
alter table EMPLOYEES compress for oltp
```

```
Table altered.
```

Statement 25

```
alter table DEPARTMENTS compress for oltp
```

```
Table altered.
```

Statement 26

```
delete from employees
where name = 'Sam Smith'
```

```
1 row(s) deleted.
```

Statement 27

```
drop table departments cascade constraints
```

```
Table dropped.
```

Statement 28

```
drop table employees cascade constraints
```

```
Table dropped.
```

Statement 29

```
select object_name,
       original_name,
       type,
       can_undrop,
       can_purge
from recyclebin
```

OBJECT_NAME	ORIGINAL_NAME	TYPE	CAN_UNDROP	CAN_PURGE
BIN$33J7k6A5EOrgUwKgxArylg==$0	PK_DEPARTMENTS	INDEX	NO	YES
BIN$33J7k6A7EOrgUwKgxArylg==$0	DEPARTMENTS	TABLE	YES	YES
BIN$33J7k6A/EOrgUwKgxArylg==$0	EMPLOYEE_ENAME_IDX	INDEX	NO	YES
BIN$33J7k6BAEOrgUwKgxArylg==$0	EMPLOYEE_DEPT_NO_FK_IDX	INDEX	NO	YES
BIN$33J7k6BBEOrgUwKgxArylg==$0	PK_EMPLOYEES	INDEX	NO	YES
BIN$33J7k6BDEOrgUwKgxArylg==$0	EMPLOYEES	TABLE	YES	YES
BIN$33J7k6A6EOrgUwKgxArylg==$0	DEPARTMENTS_BIU	TRIGGER	NO	NO
BIN$33J7k6BCEOrgUwKgxArylg==$0	EMPLOYEES_BIU	TRIGGER	NO	NO

Download CSV

```
8 rows selected.
```

Statement 30

```
flashback table DEPARTMENTS to before drop
```

```
Statement processed.
```

Statement 31

```
flashback table EMPLOYEES to before drop
```

```
Statement processed.
```

Statement 32

```
select count(*) departments
from departments
```

DEPARTMENTS
2

Download CSV

Statement 33

```
select count(*) employees
from employees
```

EMPLOYEES
2

Download CSV