Bank Scenario:

**Source Table: Bank**

BankID AccountID

**-----------------**

**A1020 S39403030**

**A1020 S30495345**

**A1020 S234234432**

**A1020 C34534543**

**A1020 C34595044**

**A1020 C2304985345**

**A1020 D934530945**

**A1020 D940404984**

**A1020 D02340494r**

**A1021 S3405935845**

**A1021 S950504840**

**A1021 S94040958**

**A1021 C34095345**

**A1021 C08548494**

**A1021 C88594048**

**A1021 D9440021**

**A1021 D4954896**

**Create table bank\_src**

**(Bank\_id varchar2(10),**

**Account\_id varchar2(20));**

**Create table bank\_target**

**(bank\_id varchar2(10),**

**Account\_type char(1),**

**Account\_id varchar2(20)**

**);**

**Create table bank\_error**

**(seq\_no number(10),**

**Account\_id varchar2(20),**

**Reason varchar2(20)**

**);**

insert into bank\_src values('A1020','S30495345');

insert into bank\_src values('A1020','S234234432');

insert into bank\_src values('A1020','C34534543');

insert into bank\_src values('A1020','C34595044');

insert into bank\_src values('A1020','C2304985345');

insert into bank\_src values('A1020','D934530945');

insert into bank\_src values('A1020','D940404984');

insert into bank\_src values('A1020','D02340494R');

insert into bank\_src values('A1021','S3405935845');

insert into bank\_src values('A1021','S950504840');

insert into bank\_src values('A1021','S94040958');

insert into bank\_src values('A1021','C34095345');

insert into bank\_src values('A1021','C08548494');

insert into bank\_src values('A1021','C88594048');

insert into bank\_src values('A1021','D9440021');

insert into bank\_src values('A1021','D4954896');

**--------------------**

**Business Rules:**

**The combination of bankid and account id is unique. If the same record exists reject that record in to the error table.**

**Length of the account id column cannot be < 7**

**Length of the account id column cannot be > 11**

**The first letter of the account ID tells the type of account**

**Valid values for the type of account is C, S and D**

**Other than the first letter of the account ID everything else will be only numbers.**

**Create an error file which contains the records which are rejected.**

**Target\_account table:**

**BankID Account\_type Account\_no**

**Bank\_error\_records table:**

**Seq\_no Record Reason:**

**OUTPUT:**

SQL> select \* from bank\_error;

SEQ\_NO RECORD ERROR

---------- -------------------- -------------------------------------------------------------

332 S39403030 not valid account

333 D02340494r not valid account

334 D9440021 not valid account

335 D4954896 not valid account

336 D4954896747347389 not valid account

337 F495489 not valid account

338 D124657D89 not valid account

7 rows selected.

SQL> select \* from target\_account;

BANK\_ID ACCOUNT\_TYPE ACCOUNT\_ID

-------------------- -------------------- --------------------

A1020 S 30495345

A1020 S 234234432

A1020 C 34534543

A1020 C 34595044

A1020 C 2304985345

A1020 D 934530945

A1020 D 940404984

A1020 D 02340494r

A1021 S 3405935845

A1021 S 950504840

A1021 S 94040958

BANK\_ID ACCOUNT\_TYPE ACCOUNT\_ID

-------------------- -------------------- --------------------

A1021 C 34095345

A1021 C 08548494

A1021 C 88594048

A1021 D 124657D89

15 rows selected.

SQL> select \* from bank\_report:

2

SQL> select \* from bank\_report;

BANK\_ID ACCOUNT\_ID

-------------------- --------------------

A1020 S39403030

A1020 S39403030

A1020 S30495345

A1020 S234234432

A1020 C34534543

A1020 C34595044

A1020 C2304985345

A1020 D934530945

A1020 D940404984

A1020 D02340494r

A1021 S3405935845

BANK\_ID ACCOUNT\_ID

-------------------- --------------------

A1021 S950504840

A1021 S94040958

A1021 C34095345

A1021 C08548494

A1021 C88594048

A1021 D9440021

A1021 D4954896

A1021 D4954896747347389

A1021 F495489

A1021 D124657D89

**(DT\_I4)SUBSTRING(account\_id,2,LEN(account\_id)) == (DT\_I4)SUBSTRING(account\_id,2,LEN(account\_id)) ? 1 : 0**