Final Project

Daisy (Bo) Cho

NetID: bsc223

Step 2: Columns and Data tab of state table

File   Edit   View   Navigate   Run   Team   Tools   Window   Help

Cho_Daisy(Bo)_lab3_worksheet.sql   Welcome Page   Final Project Daisy   STATE_T

Columns | Data | Model | Constraints | Grants | Statistics | Triggers | Flashback | Dependencies | Details | Partitions | Indexes | SQL

Sort... | Filter:

	STCODE	STNAME	STABB
1	1	Alabama	AL
2	2	Alaska	AK
3	3	Arizona	AZ
4	4	Arkansas	AR
5	5	California	CA
6	6	Colorado	CO
7	7	Connecticut	CT
8	8	Delaware	DE
9	9	District of Columbia	DC
10	10	Florida	FL
11	11	Georgia	GA
12	12	Hawaii	HI
13	13	Idaho	ID
14	14	Illinois	IL
15	15	Indiana	IN
16	16	Iowa	IA
17	17	Kansas	KS
18	18	Kentucky	KY
19	19	Louisiana	LA
20	20	Maine	ME
21	21	Maryland	MD
22	22	Massachusetts	MA
23	23	Michigan	MI
24	24	Minnesota	MN
25	25	Mississippi	MS
26	26	Missouri	MO
27	27	Montana	MT
28	28	Nebraska	NE
29	29	Nevada	NV
30	30	New Hampshire	NH
31	31	New Jersey	NJ
32	32	New Mexico	NM
33	33	New York	NY
34	34	North Carolina	NC
35	35	North Dakota	ND
36	36	Ohio	OH
37	37	Oklahoma	OK
38	38	Oregon	OR
39	39	Pennsylvania	PA
40	40	Rhode Island	RI
41	41	South Carolina	SC

Step 9: ERD and relation of state, school, fedrev, strev, locrev tables

STATE

StateCode	StateName	StateAbbreviation

SCHOOL

IDCensus	StateCode	DistrictName

FEDERAL REVENUE

IDCensus	StateCode	FederalRevenue

STATE REVENUE

IDCensus	StateCode	StateRevenue

LOCAL REVENUE

IDCensus	StateCode	LocalRevenue
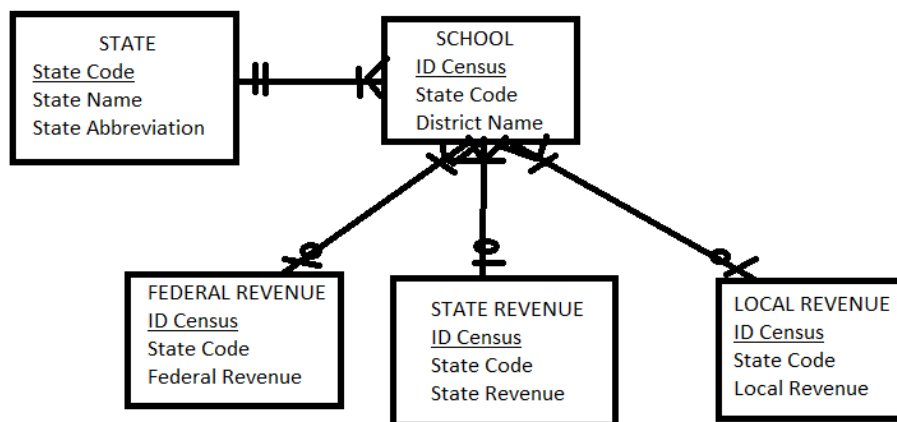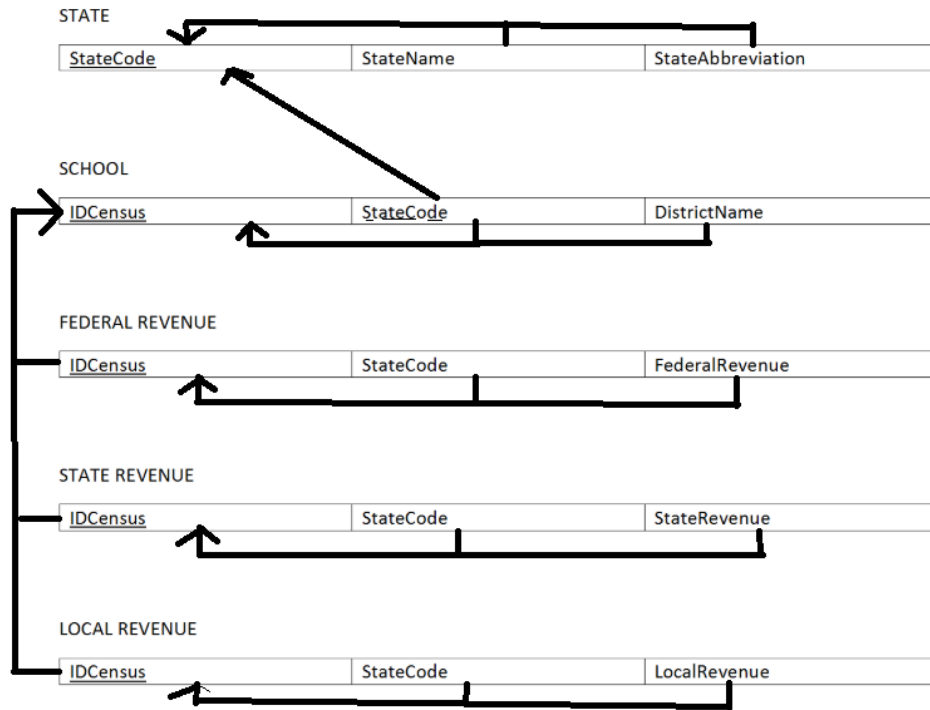
State Code in school, idcensus in fedrev, strev, and loc rev are all foreign keys.

Step 24: Answer to question

I think this is an example of in-data processing although it's usually done for large databases. It makes it more accessible and relevant for analysis since we are using a type of data that can be accessible through different systems.

Step 26: Screenshot of tables and views

Oracle SQL Developer

File Edit View Navigate Run Team Tools Window Help

Connections

Oracle Connections
- Daisy
- Final Project Daisy
  - Tables (Filtered)
    - FEDREV_T
      - IDCENSUS
      - STCODE
      - FED_REV
    - LOCREV_T
      - IDCENSUS
      - STCODE
      - LOC_REV
    - MFSLR_T
      - STCODE
      - MAX_FED_REV
      - MAX_ST_REV
      - MAX_LOC_REV
    - SCHOOL_FINANCE_2010_T
      - STCODE
      - IDCENSUS
      - SD_NAME
      - CONUM
      - CSA
      - CBSA
      - SCHLEV
      - NCESID
      - YRDATA
      - V33
      - TOTALREV
      - C14
      - C15
      - C16
      - C17
      - C18
      - C19
      - B11
      - C20
      - C25
      - C36
      - B10
      - B12
      - B13
      - C01
      - C04
      - C05
      - C06
      - C07
      - C08
      - C09

Reports

Worksheet Query Builder

```
a09 + a11 + a13 + a15 + a20 + a40 + u11 + u22 + u30 + u50 +
from School_Finance_2010_t;

ttitle '******** Step 7D ********' skip 2
/*create school table*/
Create table School_t as
Select idcensus, stcode, sd_name
from School_Finance_2010_t;

ttitle '******** Step 8A ********' skip 2
/*add primary key to state table*/
ALTER TABLE State_t
ADD CONSTRAINT State_PK PRIMARY KEY (stcode);

ttitle '******** Step 8B ********' skip 2
/*add primary key to fedrev, strev, locrev table*/
ALTER TABLE Fedrev_t
ADD CONSTRAINT Fedrev_PK PRIMARY KEY (idcensus);

ALTER TABLE Strev_t
ADD CONSTRAINT Strev_PK PRIMARY KEY (idcensus);

ALTER TABLE Locrev_t
ADD CONSTRAINT Locrev_PK PRIMARY KEY (idcensus);

ALTER TABLE School_t
ADD CONSTRAINT School_PK PRIMARY KEY (idcensus);

ttitle '******** Step 8C ********' skip 2
/*add foreign key to fedrev, strev, locrev table*/
ALTER TABLE Fedrev_t
add constraint Fedrev_FK foreign KEY (idcensus)
references School_t (idcensus);

ALTER TABLE Strev_t
add constraint Strev_FK foreign KEY (idcensus)
```

Script Output   Query Result

SQL   Executing:Select * from fsl_contribution_vwhere fsl_pcnt>3order by fs...

ORA-01652: unable to extend temp segment by 128 in tablespace TEMP
01652. 00000 - "unable to extend temp segment by %s in tablespace %s"
*Cause: Failed to allocate an extent of the required number of blocks for
          a temporary segment in the tablespace indicated.
*Action: Use ALTER TABLESPACE ADD DATAFILE statement to add one or more
          files to the tablespace indicated.

Oracle SQL Developer

File   Edit   View   Navigate   Run   Team   Tools   Window   Help

Connections

SCHOOL_FINANCE_2015_T
- STATE
- IDCENSUS
- NAME
- CONUM
- CSA
- CBSA
- SCHLEV
- NCESID
- YRDATA
- V33
- TOTALREV
- C14
- C15
- C16
- C17
- C19
- B11
- C20
- C25
- C36
- B10
- B12
- B13
- C01
- C04
- C05
- C06
- C07
- C08
- C09
- C10
- C11
- C12
- C13
- C24
- C35
- C38
- C39
- T02
- T06
- T09
- T15
- T40
- T99
- D11
- D23

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Connections

- W31
- W61
- SCHOOL_T
  - IDCENSUS
  - STCODE
  - SD_NAME
- STATE_T
  - STCODE
  - STNAME
  - STABB
- STREV_T
  - IDCENSUS
  - STCODE
  - ST_REV
- Views
  - FED_CONTRIBUTION_V
    - IDCENSUS
    - STCODE
    - STNAME
    - SD_NAME
    - FED_PCNT
  - FSL_CONTRIBUTION_V
    - IDCENSUS
    - STCODE
    - SD_NAME
    - FSL_PCNT
  - LOC_CONTRIBUTION_V
    - IDCENSUS
    - STCODE
    - STNAME
    - SD_NAME
    - LOC_PCNT
  - MFR_V
    - STCODE
    - MAX_FED_REV
  - MLR_V
    - STCODE
    - MAX_LOC_REV
  - MSR_V
    - STCODE
    - MAX_ST_REV
  - SD#_V
    - SD#
    - STCODE
  - ST_CONTRIBUTION_V
    - IDCENSUS
    - STCODE
    - STNAME
    - SD_NAME

Reports

...sql   Welcome Page   Final Project Daisy   FSL_CONTRIBUTION...   Final Project Daisy

Worksheet   Query Builder

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Final Project Daisy

Worksheet   Query Builder

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Connections panel tree:
STABB
STREV_T
  IDCENSUS
  STCODE
  ST_REV
Views
  FED_CONTRIBUTION_V
    IDCENSUS
    STCODE
    STNAME
    SD_NAME
    FED_PCNT
  FSL_CONTRIBUTION_V
    IDCENSUS
    STCODE
    SD_NAME
    FSL_PCNT
  LOC_CONTRIBUTION_V
    IDCENSUS
    STCODE
    STNAME
    SD_NAME
    LOC_PCNT
  MFR_V
    STCODE
    MAX_FED_REV
  MLR_V
    STCODE
    MAX_LOC_REV
  MSR_V
    STCODE
    MAX_ST_REV
  SD#_V
    SD#
    STCODE
  ST_CONTRIBUTION_V
    IDCENSUS
    STCODE
    STNAME
    SD_NAME
    ST_PCNT
  TOTAL_REV_V
    IDCENSUS
    STCODE
    TFEDREV
    TSTREV
    TLOCREV
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