

```
CREATE TABLE AIRCRAFT (  
  AC_NUMBER varchar(5),  
  MOD_CODE varchar(10),  
  AC_TTAF float(8),  
  AC_TTEL float(8),  
  AC_TTER float(8)  
);
```

```
CREATE TABLE CHARTER (  
  CHAR_TRIP int,  
  CHAR_DATE datetime,  
  AC_NUMBER varchar(5),  
  CHAR_DESTINATION varchar(3),  
  CHAR_DISTANCE float(8),  
  CHAR_HOURS_FLOWN float(8),  
  CHAR_HOURS_WAIT float(8),  
  CHAR_FUEL_GALLONS float(8),  
  CHAR_OIL_QTS integer,  
  CUS_CODE int  
);
```

```
CREATE TABLE CHARTER (  
  CHAR_TRIP int,  
  CHAR_DATE datetime,  
  AC_NUMBER varchar(5),  
  CHAR_DESTINATION varchar(3),  
  CHAR_DISTANCE float(8),  
  CHAR_HOURS_FLOWN float(8),
```

```
CHAR_HOURS_WAIT float(8),  
CHAR_FUEL_GALLONS float(8),  
CHAR_OIL_QTS integer,  
CUS_CODE int  
);
```

```
CREATE TABLE CREW (  
CHAR_TRIP int,  
EMP_NUM int,  
CREW_JOB varchar(20)  
);
```

```
CREATE TABLE A_CUSTOMER (  
CUS_CODE int,  
CUS_LNAME varchar(15),  
CUS_FNAME varchar(15),  
CUS_INITIAL varchar(1),  
CUS_AREACODE varchar(3),  
CUS_PHONE varchar(8),  
CUS_BALANCE float(8)  
);
```

```
CREATE TABLE EARNEDRATING (  
EMP_NUM int,  
RTG_CODE varchar(5),  
EARNRTG_DATE datetime  
);
```

```
CREATE TABLE EMPLOYEE (  

```

```
EMP_NUM int,  
EMP_TITLE varchar(4),  
EMP_LNAME varchar(15),  
EMP_FNAME varchar(15),  
EMP_INITIAL varchar(1),  
EMP_DOB datetime,  
EMP_HIRE_DATE datetime  
);
```

```
CREATE TABLE MODEL (  
MOD_CODE varchar(10),  
MOD_MANUFACTURER varchar(15),  
MOD_NAME varchar(20),  
MOD_SEATS float(8),  
MOD_CHG_MILE float(8)  
);
```

```
CREATE TABLE PILOT (  
EMP_NUM int,  
PIL_LICENSE varchar(25),  
PIL_RATINGS varchar(25),  
PIL_MED_TYPE varchar(1),  
PIL_MED_DATE datetime,  
PIL_PT135_DATE datetime  
);
```

```
CREATE TABLE RATING (  
RTG_CODE varchar(5),
```

RTG\_NAME varchar(50)

);

ALTER TABLE EMPLOYEE

ADD CONSTRAINT PK\_EMPLOYEE PRIMARY KEY (EMP\_NUM)

ALTER TABLE PILOT

ADD CONSTRAINT PK\_PILOT PRIMARY KEY (EMP\_NUM),

CONSTRAINT FK\_PILOT\_EMPLOYEE FOREIGN KEY (EMP\_NUM) REFERENCES EMPLOYEE

ALTER TABLE CUSTOMER

ADD CONSTRAINT PK\_CUSTOMER PRIMARY KEY (CUS\_CODE)

ALTER TABLE MODEL

ADD CONSTRAINT PK\_MODEL PRIMARY KEY (MOD\_CODE)

ALTER TABLE AIRCRAFT

ADD CONSTRAINT PK\_AIRCRAFT PRIMARY KEY (AC\_NUMBER),

CONSTRAINT FK\_AIRCRAFT\_MODEL FOREIGN KEY (MOD\_CODE) REFERENCES MODEL

ALTER TABLE CHARTER

ADD CONSTRAINT PK\_CREW PRIMARY KEY (CHAR\_TRIP),

CONSTRAINT FK\_CHARTER\_CUSTOMER FOREIGN KEY (CUS\_CODE) REFERENCES CUSTOMER,

CONSTRAINT FK\_CHARTER\_AIRCRAFT FOREIGN KEY (AC\_NUMBER) REFERENCES AIRCRAFT

ALTER TABLE CREW

ADD CONSTRAINT PK\_CREW PRIMARY KEY (EMP\_NUM),

CONSTRAINT FK\_CREW\_PILOT FOREIGN KEY (EMP\_NUM) REFERENCES PILOT,

CONSTRAINT FK\_CREW\_CHARTER FOREIGN KEY (CHAR\_TRIP) REFERENCES CHARTER

ALTER TABLE RATING

ADD CONSTRAINT PK\_RATING PRIMARY KEY (RTG\_CODE)

ALTER TABLE EARNEDRATING

ADD CONSTRAINT EARNEDRATING PRIMARY KEY (EMP\_NUM, RTG\_CODE),

CONSTRAINT FK\_EARNEDRATING\_PILOT FOREIGN KEY (EMP\_NUM) REFERENCES PILOT,

CONSTRAINT FK\_EARNEDRATINGS\_RATING FOREIGN KEY (RTG\_CODE) REFERENCES RATING

ALTER TABLE CREW

ADD CONSTRAINT PK\_CREW PRIMARY KEY (CHAR\_TRIP, EMP\_NUM),

CONSTRAINT FK\_CREW\_EMPLOYEE FOREIGN KEY (EMP\_NUM) REFERENCES PILOT,

CONSTRAINT FK\_CREW\_CHARTER FOREIGN KEY (CHAR\_TRIP) REFERENCES CHARTER

--INSERT VALUES FOR THE AIRCRAFT TABLE

INSERT INTO AIRCRAFT VALUES('1484P','PA23-250','1833.1','1833.1','101.8');

INSERT INTO AIRCRAFT VALUES('2289L','C-90A','4243.8','768.9','1123.4');

INSERT INTO AIRCRAFT VALUES('2778V','PA31-350','7992.9','1513.1','789.5');

INSERT INTO AIRCRAFT VALUES('4278Y','PA31-350','2147.3','622.1','243.2');

--INSERT VALUES FOR HTE CHARTER VALUE

INSERT INTO CHARTER VALUES('10001','2/5/2016','2289L','ATL','936','5.1','2.2','354.1','1','10011');

INSERT INTO CHARTER VALUES('10002','2/5/2016','2778V','BNA','320','1.6','0','72.6','0','10016');

INSERT INTO CHARTER VALUES('10003','2/5/2016','4278Y','GNV','1574','7.8','0','339.8','2','10014');

INSERT INTO CHARTER VALUES('10004','2/6/2016','1484P','STL','472','2.9','4.9','97.2','1','10019');

INSERT INTO CHARTER VALUES('10005','2/6/2016','2289L','ATL','1023','5.7','3.5','397.7','2','10011');

INSERT INTO CHARTER VALUES('10006','2/6/2016','4278Y','STL','472','2.6','5.2','117.1','0','10017');

INSERT INTO CHARTER VALUES('10007','2/6/2016','2778V','GNV','1574','7.9','0','348.4','2','10012');

```

INSERT INTO CHARTER VALUES('10008','2/7/2016','1484P','TYS','644','4.1','0','140.6','1','10014');
INSERT INTO CHARTER VALUES('10009','2/7/2016','2289L','GNV','1574','6.6','23.4','459.9','0','10017');
INSERT INTO CHARTER VALUES('10010','2/7/2016','4278Y','ATL','998','6.2','3.2','279.7','0','10016');
INSERT INTO CHARTER VALUES('10011','2/7/2016','1484P','BNA','352','1.9','5.3','66.4','1','10012');
INSERT INTO CHARTER VALUES('10012','2/8/2016','2778V','MOB','884','4.8','4.2','215.1','0','10010');
INSERT INTO CHARTER VALUES('10013','2/8/2016','4278Y','TYS','644','3.9','4.5','174.3','1','10011');
INSERT INTO CHARTER VALUES('10014','2/9/2016','4278Y','ATL','936','6.1','2.1','302.6','0','10017');
INSERT INTO CHARTER VALUES('10015','2/9/2016','2289L','GNV','1645','6.7','0','459.5','2','10016');
INSERT INTO CHARTER VALUES('10016','2/9/2016','2778V','MQY','312','1.5','0','67.2','0','10011');
INSERT INTO CHARTER VALUES('10017','2/10/2016','1484P','STL','508','3.1','0','105.5','0','10014');
INSERT INTO CHARTER VALUES('10018','2/10/2016','4278Y','TYS','644','3.8','4.5','167.4','0','10017');

```

--INSERT VALUES FOR THE CREW TABLE

```

INSERT INTO CREW VALUES('10001','104','Pilot');
INSERT INTO CREW VALUES('10002','101','Pilot');
INSERT INTO CREW VALUES('10003','105','Pilot');
INSERT INTO CREW VALUES('10003','109','Copilot');
INSERT INTO CREW VALUES('10004','106','Pilot');
INSERT INTO CREW VALUES('10005','101','Pilot');
INSERT INTO CREW VALUES('10006','109','Pilot');
INSERT INTO CREW VALUES('10007','104','Pilot');
INSERT INTO CREW VALUES('10007','105','Copilot');
INSERT INTO CREW VALUES('10008','106','Pilot');
INSERT INTO CREW VALUES('10009','105','Pilot');
INSERT INTO CREW VALUES('10010','108','Pilot');
INSERT INTO CREW VALUES('10011','101','Pilot');
INSERT INTO CREW VALUES('10011','104','Copilot');

```

```
INSERT INTO CREW VALUES('10012','101','Pilot');
INSERT INTO CREW VALUES('10013','105','Pilot');
INSERT INTO CREW VALUES('10014','106','Pilot');
INSERT INTO CREW VALUES('10015','101','Copilot');
INSERT INTO CREW VALUES('10015','104','Pilot');
INSERT INTO CREW VALUES('10016','105','Copilot');
INSERT INTO CREW VALUES('10016','109','Pilot');
INSERT INTO CREW VALUES('10017','101','Pilot');
INSERT INTO CREW VALUES('10018','104','Copilot');
INSERT INTO CREW VALUES('10018','105','Pilot');
```

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/* -- */
```

```
--INSERT VALUES INTO THE CUSTOMER TABLE
```

```
INSERT INTO CUSTOMER VALUES('10010','Ramas','Alfred','A','615','844-2573','0');
INSERT INTO CUSTOMER VALUES('10011','Dunne','Leona','K','713','894-1238','0');
INSERT INTO CUSTOMER VALUES('10012','Smith','Kathy','W','615','894-2285','896.54');
INSERT INTO CUSTOMER VALUES('10013','Olowski','Paul','F','615','894-2180','1285.19');
INSERT INTO CUSTOMER VALUES('10014','Orlando','Myron',' ','615','222-1672','673.21');
INSERT INTO CUSTOMER VALUES('10015','O''Brian','Amy','B','713','442-3381','1014.56');
INSERT INTO CUSTOMER VALUES('10016','Brown','James','G','615','297-1228','0');
INSERT INTO CUSTOMER VALUES('10017','Williams','George',' ','615','290-2556','0');
INSERT INTO CUSTOMER VALUES('10018','Farriss','Anne','G','713','382-7185','0');
INSERT INTO CUSTOMER VALUES('10019','Smith','Olette','K','615','297-3809','453.98');
```

```
/* -- */
```

--INSERT VALUES INTO THE EARNEDRATING TABLE

```
INSERT INTO EARNEDRATING VALUES('101','CFI','2/18/2004');
INSERT INTO EARNEDRATING VALUES('101','CFII','12/15/2011');
INSERT INTO EARNEDRATING VALUES('101','INSTR','11/8/1999');
INSERT INTO EARNEDRATING VALUES('101','MEL','6/23/2000');
INSERT INTO EARNEDRATING VALUES('101','SEL','4/21/1999');
INSERT INTO EARNEDRATING VALUES('104','INSTR','7/15/2002');
INSERT INTO EARNEDRATING VALUES('104','MEL','1/29/2003');
INSERT INTO EARNEDRATING VALUES('104','SEL','3/12/2001');
INSERT INTO EARNEDRATING VALUES('105','CFI','11/18/2003');
INSERT INTO EARNEDRATING VALUES('105','INSTR','4/17/2001');
INSERT INTO EARNEDRATING VALUES('105','MEL','8/12/2001');
INSERT INTO EARNEDRATING VALUES('105','SEL','9/23/2000');
INSERT INTO EARNEDRATING VALUES('106','INSTR','12/20/2001');
INSERT INTO EARNEDRATING VALUES('106','MEL','4/2/2002');
INSERT INTO EARNEDRATING VALUES('106','SEL','3/10/2000');
INSERT INTO EARNEDRATING VALUES('109','CFI','11/5/2004');
INSERT INTO EARNEDRATING VALUES('109','CFII','6/21/2009');
INSERT INTO EARNEDRATING VALUES('109','INSTR','7/23/2002');
INSERT INTO EARNEDRATING VALUES('109','MEL','3/15/2003');
INSERT INTO EARNEDRATING VALUES('109','SEL','2/5/2002');
INSERT INTO EARNEDRATING VALUES('109','SES','5/12/2002');
```

/\* -- \*/

--INSERT VALUES INTO THE EMPLOYEE TABLE

```
INSERT INTO EMPLOYEE VALUES('100','Mr.','Kolmycz','George','D','6/15/1952','3/15/2007');
INSERT INTO EMPLOYEE VALUES('101','Ms.','Lewis','Rhonda','G','3/19/1975','4/25/2008');
```



```
INSERT INTO EMPLOYEE VALUES('102','Mr.','VanDam','Rhett','', '11/14/1968','12/20/2012');
INSERT INTO EMPLOYEE VALUES('103','Ms.','Jones','Anne','M','10/16/1984','8/28/2015');
INSERT INTO EMPLOYEE VALUES('104','Mr.','Lange','John','P','11/8/1981','10/20/2006');
INSERT INTO EMPLOYEE VALUES('105','Mr.','Williams','Robert','D','3/14/1985','1/8/2015');
INSERT INTO EMPLOYEE VALUES('106','Mrs.','Duzak','Jeanine','K','2/12/1978','1/5/2011');
INSERT INTO EMPLOYEE VALUES('107','Mr.','Diante','Jorge','D','8/21/1984','7/2/2006');
INSERT INTO EMPLOYEE VALUES('108','Mr.','Wiesenbach','Paul','R','2/14/1976','11/18/2014');
INSERT INTO EMPLOYEE VALUES('109','Ms.','Travis','Elizabeth','K','6/18/1971','4/14/2011');
INSERT INTO EMPLOYEE VALUES('110','Mrs.','Genkazi','Leighla','W','5/19/1980','12/1/2012');
```

```
/* -- */
```

```
--INSERT VALUES INTO THE MODEL TABLE
```

```
INSERT INTO MODEL VALUES('C-90A','Beechcraft','KingAir','8','2.67');
INSERT INTO MODEL VALUES('PA23-250','Piper','Aztec','6','1.93');
INSERT INTO MODEL VALUES('PA31-350','Piper','Navajo Chieftain','10','2.35');
```

```
/* -- */
```

```
--INSERT VALUES INTO THE PILOT TABLE
```

```
INSERT INTO PILOT VALUES('101','ATP','SEL/MEL/Instr/CFII','1','4/12/2016','6/15/2015');
INSERT INTO PILOT VALUES('104','ATP','SEL/MEL/Instr','1','6/10/2015','3/23/2016');
INSERT INTO PILOT VALUES('105','COM','SEL/MEL/Instr/CFI','2','2/25/2016','2/12/2016');
INSERT INTO PILOT VALUES('106','COM','SEL/MEL/Instr','2','4/2/2016','12/24/2015');
INSERT INTO PILOT VALUES('109','COM','SEL/MEL/SES/Instr/CFII','1','4/14/2016','4/21/2016');
```

```
/* -- */
```

```
--INSERT VALUES INTO RATING TABLE
```

```
INSERT INTO RATING VALUES('CFI','Certified Flight Instructor');
```

```
INSERT INTO RATING VALUES('CFII','Certified Flight Instructor, Instrument');
```

```
INSERT INTO RATING VALUES('INSTR','Instrument');
```

```
INSERT INTO RATING VALUES('MEL','Multiengine Land');
```

```
INSERT INTO RATING VALUES('SEL','Single Engine, Land');
```

```
INSERT INTO RATING VALUES('SES','Single Engine, Sea');
```