

Distributed: 1/23/2019

Due: 1/29/2019

Populate the system catalog with data to describe the database schemas given below (Pet and Owner). The system catalog is initialized as shown.

```
TABLES( char(25) tabName, char(100) tabLocation, int recSize)
/*
    tabName:      name of table
    tabLocation   file or URL where table data is located
    recSize       calculated from attribute sizes (the value is
                  stored here)
*/
```

tabName	tabLocation	recSize
TABLES	C:\file0.dat	129
ATTRIBUTES	c:\file1.dat	115

```

ATTRIBUTES( char (25) attName, char(10) attType, char(25) tabName,
            int offset, binary(1) pk, char(50) fk)
/*
  attName  name of attribute
  attType  type of attribute
  tabName  name of table for this attribute
  offset   offset into the data record (tuple) for this attribute
  pk       true (1) if this attribute is part of primary key;
           false (0) otherwise
  fk       Table.att gives the att in table Table that this
           attribute references
*/

```

attName	attType	tabName	offset	pk	fk
tabName	char(25)	TABLES	0	1	
tabLocation	char(100)	TABLES	25	0	
recSize	int	TABLES	125	0	
attName	char(25)	ATTRIBUTES	0	1	
attType	char(10)	ATTRIBUTES	25	0	
tabName	char(25)	ATTRIBUTES	35	1	TABLES.tabName
offset	int	ATTRIBUTES	60	0	
pk	binary(1)	ATTRIBUTES	64	0	
fk	char(50)	ATTRIBUTES	65	0	

```

Pet (
  int      pid,          // primary key
  char(10) name,
  int      id   )      // foreign key referencing Owner.id

Owner (
  int      id,          // primary key
  char(50) name,
  char(100) address )

```