

# **CMSC 127**

# **STUDENT LOAN DATABASE**



# SQL-SCHEMA

```
CREATE TABLE STUDENT
(
    STUD_LNAME VARCHAR(35) NOT NULL,
    STUD_FNAME VARCHAR(35) NOT NULL,
    STUD_INITIAL CHAR(2) NOT NULL,
    STUD_COLLEGE VARCHAR(10) NOT NULL,
    STUD_YEAR NUMERIC(1) NOT NULL,
    STUD_COURSE VARCHAR(35) NOT NULL,
    STUD_CONTACT NUMERIC(10) NOT NULL,
    STUD_NUM VARCHAR(10) NOT NULL UNIQUE,
    IS_CLEARED BOOLEAN,
    PRIMARY KEY (STUD_NUM)
);
```

# SQL-SCHEMA

```
CREATE TABLE LOAN
```

```
(  
    LOAN_TYPE VARCHAR(50) NOT NULL,  
    LOAN_YEAR NUMERIC(4) NOT NULL,  
    LOAN_SEM VARCHAR(3) NOT NULL,  
    STUD_NUM VARCHAR(10) NOT NULL,  
    PRIMARY KEY (STUD_NUM),  
    FOREIGN KEY (STUD_NUM) REFERENCES STUDENT(STUD_NUM)  
);
```

# SQL-SCHEMA

```
CREATE TABLE STS
(
    STS_BRACKET VARCHAR(2) NOT NULL,
    STUD_NUM VARCHAR(10) NOT NULL UNIQUE,
    PRIMARY KEY (STUD_NUM),
    FOREIGN KEY (STUD_NUM) REFERENCES STUDENT(STUD_NUM)
);
```

# SQL-SCHEMA

```
CREATE TABLE BAL_HIST
(
    OUT_BALANCE NUMERIC(8,2) NOT NULL,
    AMT_PAID NUMERIC(8,2) NOT NULL,
    PRIMARY KEY (STUD_NUM),
    FOREIGN KEY (STUD_NUM) REFERENCES STUDENT(STUD_NUM)
);
```

# DATA-DICTIONARIES

TABLE NAME	ATTRIBUTE NAME	CONTENTS	TYPE	FORMAT	RANGE	REQUIRED	PK/FK	FK REFERENCE TABLE
STUDENT	STUD_LNAME	Student's Last Name	VARCHAR(35)	Xxxxxxx		Y		
	STUD_FNAME	Student's First Name	VARCHAR(35)	Xxxxxxx		Y		
	STUD_INITIAL	Student's Middle Initial	CHAR(2)	XX		Y		
	STUD_COLLEGE	Student's College	VARCHAR(10)	XXX		Y		
	STUD_COURSE	Student's Course	VARCHAR(35)	XX Xxxxxxx		Y		
	STUD_YEAR	Student's Year	NUMERIC(1)	9		Y		
	STUD_CONTACT	Student's Contact Number	VARCHAR(11)	99999999999		Y		
	STUD_NUM	Student Number	VARCHAR(10)	9999-99999		Y	PK	

# DATA-DICTIONARIES

LOAN	LOAN_TYPE	Type of Loan	VARCHAR(50)	Xxxxxxx		Y		
	LOAN_YEAR	Year of Loan Validity	NUMERIC(4)	9999		Y		
	LOAN_SEM	Semester of Loan Validity	VARCHAR(3)	9		Y		
	STUD_NUM	Student Number	VARCHAR(10)	9999-99999		Y	PK/FK	STUDENT

# DATA-DICTIONARIES

STS	STS_BRACKET	Student's STS Bracket	CHAR(2)	XX		Y		
	STUD_NUM	Student Number	VARCHAR(10)	9999-99999		Y	PK/FK	STUDENT
BAL_HIST	OUT_BALANCE	Outstanding Balance of Student	NUMBER(8,2)	999999.99		Y		
	AMT_PAID	Amount Paid of Student	NUMBER(8,2)	999999.99		Y		
	STUD_NUM	Student Number	VARCHAR(10)	9999-99999		Y	FK	STUDENT



# OFFICE OF THE STUDENT FINANCIAL ASSISTANCE

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