

Physical Data Model Report

Model Information	
File Name	STUDENT_INFO_SYSTEM.dbm
File Location	C:/Users/cvill/IBM/rationalsdp/workspace/University Infor System/ STUDENT_INFO_SYSTEM.dbm
File Size	69773
Last Modified	October 1, 2017 at 5:50:34 PM

Database Summary For	SAMPLE_STUDENT
Vendor:	DB2 UDB
Version:	V10.1
Default table organization:	ROW

Schema: STUDENT_LIFE

Table:	STUDENT
Storage:	UNSPECIFIED

Column Name	Label	Data Type	Is Part of Foreign Key	Is Part of Primary Key	Null	Hidden	Is Row Change Timestamp	Documentation
FIRST_NAME		VARCHAR(20)	false	false	false	false	false	
LAST_NAME		LAST NAME [VARCHAR(128)]	false	false	false	false	false	
STUDENT_ID		STUDENT ID [CHAR(10)]	false	true	false	false	false	
STUDENT_SSN		SSN [CHAR(11)]	false	false	true	false	false	
EMAIL_ADDRESS		EMAIL [VARCHAR(128)]	false	false	true	false	false	
START_DATE		DATE	false	false	true	false	false	
GRADUATION_DATE		DATE	false	false	true	false	false	

Check Constraint	STUDENT_START_DATE_CK
Expression	GRADUATION_DATE > START_DATE

Primary Key:	STUDENT_PK
Enforced:	true
Column:	STUDENT_ID
Data Type:	STUDENT ID [CHAR(10)]

Table:	GRADE
Storage:	UNSPECIFIED

Column Name	Label	Data Type	Is Part of Foreign Key	Is Part of Primary Key	Null	Hidden	Is Row Change Timestamp	Documentation
STUDENT_ID		STUDENT ID [CHAR(10)]	true	true	false	false	false	
COURSE_ID		CHAR(8)	true	true	false	false	false	
SCORE_PASS_FAIL		CHAR(1)	false	false	false	false	false	
SCORE_TOTAL		DECIMAL (3 , 0)	false	false	false	false	false	
ATTRIBUTE1		CHAR(5)	false	true	false	false	false	

Primary Key: GRADE_PK

Enforced: true

Column: STUDENT_ID

Data Type: STUDENT ID [CHAR(10)]

Column: COURSE_ID

Data Type: CHAR(8)

Column: ATTRIBUTE1

Data Type: CHAR(5)

Foreign Key Constraint

GRADE_STUDENT_FK

Identifying false

Parent Table STUDENT

Parent Verb Phrase IS GIVEN

Parent Cardinality RECEIVES

Child Table GRADE

Child Verb Phrase *

Child Cardinality 0..1

Referential Integrity on Update NO_ACTION

Referential Integrity on Delete NO_ACTION

Foreign Key Columns

Data Type

STUDENT_ID STUDENT ID [CHAR(10)]

Foreign Key Constraint

GRADE_COURSE_FK

Identifying true

Parent Table COURSE

Parent Verb Phrase Verb1

Child Table GRADE

Child Verb Phrase 1

Child Cardinality 1

Referential Integrity on Update	NO_ACTION
Referential Integrity on Delete	NO_ACTION
Foreign Key Columns	Data Type
COURSE_ID	CHAR(8)

Table:	ACTIVITY
Storage:	UNSPECIFIED

Column Name	Label	Data Type	Is Part of Foreign Key	Is Part of Primary Key	Null	Hidden	Is Row Change Timestamp	Documentation
STUDENT_ID		STUDENT ID [CHAR(10)]	true	true	false	false	false	
ACTIVITY_ID		CHAR(5)	false	true	false	false	false	
JOIN_DATE		DATE	false	false	true	false	false	

Primary Key:	ACTIVITY_PK
Enforced:	true
Column:	STUDENT_ID
Data Type:	STUDENT ID [CHAR(10)]
Column:	ACTIVITY_ID
Data Type:	CHAR(5)

Foreign Key Constraint	ACTIVITY_STUDENT_FK
Identifying	false
Parent Table	STUDENT
Parent Verb Phrase	Verb1
Child Table	ACTIVITY
Child Verb Phrase	*
Child Cardinality	0..1
Referential Integrity on Update	NO_ACTION
Referential Integrity on Delete	NO_ACTION
Foreign Key Columns	Data Type
STUDENT_ID	STUDENT ID [CHAR(10)]

Table:	COURSE
Storage:	UNSPECIFIED

Column Name	Label	Data Type	Is Part of Foreign Key	Is Part of Primary Key	Null	Hidden	Is Row Change Timestamp	Documentation
DEPT_ID		CHAR(4)	false	false	true	false	false	
INSTRUCTOR_ID		CHAR(5)	false	false	true	false	false	
INSTRUCTOR_NAME OR NM		VARCHAR(20)	false	false	true	false	false	
STUDENT_TOTAL		INTEGER	false	false	true	false	false	
COURSE_ID		CHAR(5)	false	true	false	false	false	
STUDENT_ID		STUDENT ID [CHAR(10)]	true	false	false	false	false	

Primary Key: COURSE_PK

Enforced: true

Column: COURSE_ID

Data Type: CHAR(5)

Foreign Key Constraint	COURSE_STUDENT_FK
Identifying	false
Parent Table	STUDENT
Parent Verb Phrase	Verb1
Child Table	COURSE
Child Verb Phrase	1..*
Child Cardinality	1
Referential Integrity on Update	NO_ACTION
Referential Integrity on Delete	NO_ACTION
Foreign Key Columns	Data Type
STUDENT_ID	STUDENT ID [CHAR(10)]