



Main Layout

Table admin			
System administrator			
* Pk	username	varchar(50)	admin username
*	first_name	varchar(20)	admin's first name
*	middle_name	varchar(20)	admin's middle name
	last_name	varchar(20)	admin's last name
	email	varchar(100)	admin's email
Indexes			
Pk	pk_admin_username	username	
Options			
engine=InnoDB			

Table course			
Subject taught by a teacher and studied by a student			
* Pk	course_code	varchar(10)	code that identitfies course
*	course_title	varchar(50)	Title of the course
*	credit_value	int	Number x10 of learning hours of the course
*	teacher_matricule	varchar(20)	Matricule of teacher
Indexes			
Pk	pk_course_course_code	course_code	
Foreign Keys			
	fk_course_teacher (teacher_matricule) ref teacher (teacher_matricule)		
Options			
engine=InnoDB			

Table marks			
Mark allocated to students			
* Pk	mark_id	int	id number of student's mark
*	student_matricule	varchar(20)	Student's matricule
*	teacher_matricule	varchar(20)	Teacher's matricule number
*	course_code	varchar(50)	Course code of course
Indexes			
Pk	pk_marks_mark_id	mark_id	
Foreign Keys			
	fk_marks_student (student_matricule) ref student (student_matricule)		
	fk_marks_teacher (teacher_matricule) ref teacher (teacher_matricule)		
	fk_marks_course (course_code) ref course (course_code)		
Options			
engine=InnoDB			

Table student			
Table holding student data			
* Pk	student_matricule	varchar(20)	matricule number of student
*	first_name	varchar(20)	Student's first name
*	middle_name	varchar(20)	Student's middle name
	last_name	varchar(20)	Student's last name
	email	varchar(100)	student's email address
*	dob	date	student's date of birth
*	teacher_matricule	varchar(20)	Teacher's matricule

Table student			
*	mark_id	int	id number of student's mark
Indexes			
Pk	pk_student_student_matricule	student_matricule	
Foreign Keys			
	fk_student_teacher (teacher_matricule) ref teacher (teacher_matricule)		
Options			
engine=InnoDB			

Table student_course			
intermediary table to link student and course M:N relationship			
* Pk	student_matricule	varchar(20)	Matricule of student
*	course_code	varchar(20)	Course code of a course
Indexes			
Pk	pk_student_course_student_matricule	student_matricule	
Foreign Keys			
	fk_student_course_student (student_matricule) ref student (student_matricule)		
	fk_student_course_course (course_code) ref course (course_code)		
Options			
engine=InnoDB			

Table teacher			
Lecturer or tutor of a course			
* Pk	teacher_matricule	varchar(20)	Teacher's matricule
	first_name	varchar(20)	Teacher's first name
	middle_name	varchar(20)	Teacher's middle name
	last_name	varchar(20)	Teacher's last name
	email	varchar(100)	Teacher's email address
*	mark_id	int	Id number of mark allocated by teacher
Indexes			
Pk	pk_teacher_teacher_matricule	teacher_matricule	
Options			
engine=InnoDB			