

Pass Task 5.1.1

Table – Students

Attribute	Type	Reason
stud_id	AutoNumber(10) or (Int Unsigned)	AutoNumber ID
stud_name	Varchar(30)	Names rarely change, therefore saves space
stud_phone	Char(11)	+ 6 1 4 1 2 3 4 5 6 7 8 (Only uses 11 characters) No need for operations, thus char
stud_dob	Date	Date
stud_city	Char(30)	Cities can change
stud_address	Char(100)	Locations can change
stud_postcode	Number(4) or SmallInt(unsigned)	Operations conducted on them

Table – Subject

Attribute	Type	Reason
subj_code	Char(6)	A B C 1 2 3
subj_title	Varchar(30)	Rarely changes, can be long thus saves space

Table – Subj_Enrolment

Attribute	Type	Reason
stud_id	AutoNumber(10) or (Int Unsigned)	AutoNumber ID
subj_code	Char(6)	A B C 1 2 3
semester	Int(1)	Semester 1 or 2
year	Int(4)	Value between 1900 and 2100
comment	Varchar(100)	Unlikely to change, thus saves space

Table – Grade

Attribute	Type	Reason
stud_id	AutoNumber(10) or (Int Unsigned)	AutoNumber ID
subj_code	Char(6)	A B C 1 2 3
semester	Int(1)	Semester 1 or 2
year	Int(4)	Value between 1900 and 2100
grade	Char(2)	Char(1) if majority of students are poor achievers