

3) Description of all tables:

“Class” Table:

Class_ID	(Pk), Each student is assigned a class.
Class Title	It is the title of the class.
Section	(U), The section of the class. Class Id and Section is composite key. Classes are divided into multiple sections.
C_Total_Students	Total no of the student in the class.
Age Group	Age Group of the students in the class.
Gender Group	Male or Female group of the students in the class. I f Null then it’s a combine section.

“Parent” Table:

Parent ID	(Pk), Each student has a parent who has been assigned a Parent ID.
Parent Name	Name of the parent of the student.
CNIC	Parent has a CNIC.
Phone No	Parent has a Phone Number.
Address	Address of the house of the parent.
Gender	Gender of the parent (Mother/Father).
Email	Personal email of the parent.
Job	Parents Job.
Spouse	(fk), To own table through which we can find either husband or wife.

“Course” Table:

Course ID	(Pk), of the table. It is custom Id of the course
Course Title	Custom title of the course.
Grade	Grade assigned to the student in the registered course.
Instructor	Instructor of the course.

“Guardian” Table:

Guardian ID	(Pk), of the table. It is guardian if of the student.
Guardian name	Name of the Guardian.
CNIC	CNIC of the student.
Phone No	Phone no of the guardian.
Address	Address of the house of the Guardian.
Gender	Gender of the guardian (Male/Female).
Email	Personal email of the guardian.
Relation	Relation of the guardian with the student.

“Fee Details” Table:

Challan No	(Pk), Challan no of the fee slip to pe paid
Amount	Amount to pe paid for the course.
Discount	If more than 3 children of a parent, then parent is given the discount. If the parent works in the NGO, then student doesn't pay the fee.
Status	Paid status (paid/unpaid)
Due Date	Due date of the fees.
Net Amount	Total amount f the fees after the discount.

“Student” Table:

Student ID	(Pk), Id assigned to every student.
Student Name	Name of the Student.
DOB	Date of birth of the student. Age is calculate using DOB.
Gender	Gender of the student (Male/Female)
Age	Age of the Student.
Admission Date	Admission Date of the student.
Section	Section assigned to the student.
Course Id	(Fk), It tells about the course of the student.
Class Id	(Fk), It tells about the class of the student.
Parent Id	(Fk), It tells about the Parent of the student.
Guardian Id	(Fk), It tells about the Guardian of the student.
Challan No	(Fk), It tells about the Fee Details of the student.

“History” Table:

History Id	(Pk), Id of the History table.
Old Class	Old class history of the student
New Class	New class of the student
New Admission	Either student is a new admission or not.
Enrollment Date	The date on which student is enrolled in the course.
Student Id	(Fk), It tells about the student.

4) Datasets:





“Class” Table:

CLASS_ID	SECTION	CLASS_TITLE	C_TOTAL_STUDENTS	AGE_GROUP	GENDER_GROUP
1 1	A	The Learning Tree	(null)	3-4	(null)
2 1	B	Lamb Tails	(null)	3-4	(null)
3 1	C	Happy Trails	(null)	3-4	(null)
4 2	A	Kiddie Cloud	(null)	4-6	M
5 2	B	Childrens Den	(null)	4-6	F
6 2	C	Kiddie Cove	(null)	4-6	M
7 2	D	Vivid Canyon	(null)	4-6	(null)
8 2	E	Tiny Giants	(null)	4-6	(null)
9 3	A	Growing Up	(null)	6-8	(null)
10 3	B	Alphabetz	(null)	6-8	(null)
11 3	C	Tigers	(null)	6-8	(null)
12 4	A	Rainbow	(null)	8-10	(null)
13 4	B	The Readers	(null)	8-10	(null)
14 4	C	Rulers	(null)	8-10	(null)
15 5	A	True Sunshine	(null)	10-12	(null)
16 5	B	Morning Star	(null)	10-12	M
17 5	C	Wonderbeats	(null)	10-12	F
18 6	A	Pineview	(null)	12-14	(null)
19 6	B	Mountain Kids	(null)	12-14	M
20 6	C	HeartsHome	(null)	12-14	F









“Parent” Table:

PARENT_ID	PAREN...	CNIC	PHONE_NO	ADDRESS	GENDER	EMAIL	P_JOB	SPOUSE
1	Acton	426478764	1906241735	3562 Duis Rd.	M	malesuada@dolorNullasemper.ca	Lorem Tristique Company	2
2	Hashim	388939605	696276518	4485 Sed Ave	F	ligula@quispedeSuspendisse.net	Nec Corp.	1
3	Sheila	448572115	701619728	211-5728 Dictum Avenue	M	a.nunc.In@orciconsectetuer.edu	Phasellus Libero Consulting	4
4	Vivien	313124281	291619351	P.O. Box 969, 1838 Sit Rd.	F	arcu.Sed@SedmolestieSed.edu	Ante Ipsum Foundation	3
5	Allegra	184164309	278538418	549-6773 Natoque Road	M	velit.Cras.lorem@et.co.uk	Ultrices Consulting	6
6	Pearl	1104266366	531849594	Ap #582-5066 Lacinia. Ave	F	vDuis.at.lacus@Nam.org	Magna Tellus Faucibus Corp.	5
7	Shah	4506426636	990650806	Ap #888-5016 Atlanta.	M	vaisslatt@Nam.org	Magnum Corp.	8
8	Kyla	941893208	838112571	1018 Pellentesque Avenue	F	interdum@fermentummetus.ca	Ullamcorper Magna Institute	7
9	Griffin	831381199	125441766	Ap #149-4736 Egestas Rd.	M	nulla@lacus.net	Nec Metus Foundation	10
10	Rashad	800918120	770794170	Ap #967-7748 Egestas St.	F	magna.Nam.ligula@nec.org	Convallis Corporation	9
11	Ramona	795945831	818540551	7302 Eget St.	M	tellus.Phasellus@cingelit.org	Ligula Nullam Feugiat Inc.	12
12	Winifred	119470680	867478687	Ap #412-1046 Rhoncus Rd.	F	Donec@libero.net	Penatibus Et Corp.	11
13	Cameron	276581576	198128027	915-9503 Ante St.	M	id.ante.Nunc@nonduinec.ca	Aliquam laculis Consulting	14
14	Kennedy	282231471	874444540	P.O. Box 372, 6628 Neque Avenue	F	loremornare@tincidunt.com	Mi Lorem Vehicula Consulting	13
15	Nayda	243319290	783212624	822-5164 Bibendum Street	M	Proin.vel.nisi@enimSed.com	Dapibus Quam PC	16
16	Xyla	635801905	736801945	886-7514 Nisi Street	F	Curabitur.massa@Sed.net	Eu Nibh Vulputate Company	15
17	Alisa	249023912	15654656	P.O. Box 803, 193 Hymenaeos. Road	M	ligularhoncus@acrisus.com	Vivamus Nisi Inc.	18
18	Tad	102456159	568641690	P6405 Felis, Rd.	F	NullamMaecenas@euaugetitor.ca	Cum Corp.	17
19	Herman	831098199	54653233	P6405 Felis, Rd.	M	euismod@lumsan.net	Cum Corp.	20
20	Chadwick	70537543	696263698	3889 laculis Street	F	Nullam.nienas@euauquor.ca	In At Pede Industries	19

“Course” Table:

	 COURSE_ID	 COURSE_TITLE	 GRADE	 INSTRUCTOR
1	1	Justice	(null)	Blakeley Trebbett
2	2	Sketching	(null)	Drona Guise
3	3	TNS Media Intellige...	(null)	Abraham Baptie
4	4	Property Course	(null)	Yolanda Hansom
5	5	Home Care	(null)	Mirabel Hugle
6	6	SLES	(null)	Jemmy Leworthy
7	7	Procurement	(null)	Carmina Esson
8	8	IT Management	(null)	Josey Swepstone
9	9	Law Enforcement	(null)	Blakeley Trebbett
10	10	Ocean Transporta...	(null)	Clyve Grigoriscu
11	11	Hearings	(null)	Violante Foddy
12	12	Petroleum Enginee...	(null)	Essa Tinson
13	13	Failure Analysis	(null)	Stacey Bover
14	14	Group Therapy	(null)	Lowrance Kuhn...
15	15	Athletic Administr...	(null)	Koressa Robilliard
16	16	Vocational Rehabil...	(null)	Stesha Hubatsch
17	17	Corporate Identity	(null)	Justinn Bonifazio
18	18	Forestry	(null)	Shelley Wittke
19	19	Fashion Jewelry	(null)	Dawn Banfill
20	20	DC Operations	(null)	Miner covino

“Guardian” Table:

	 GUARDIAN_ID	 GUARDIAN_NAME	 CNIC	 PHONE_NO	 ADDRESS	 GENDER	 EMAIL	 RELATION
1	1	Acton	426478...	1906241735	3562 Duis Rd.	M	malesua...	father
2	2	Sheila	448572...	701619728	211-5728 Dic...	M	a.nunc.In...	father
3	3	Vivien	313124...	291619351	P.O. Box 969...	F	arcu.Sed...	mother
4	4	Pearl	110426...	531849594	Ap #582-506...	F	vDuis.at.I...	mother
5	5	Kyla	941893...	838112571	1018 Pellente...	F	interdum...	mother
6	6	Griffin	831381...	125441766	Ap #149-473...	M	nulla@la...	father
7	7	Ramona	795945...	818540551	7302 Eget St.	M	tellus.Ph...	father
8	8	Alex	470365...	972617518	Ap #296-792...	M	Vius.emo...	uncle
9	9	Zelenia	805081...	437083694	P.O. Box 221...	M	ultes.iac...	uncle
10	10	Deacon	001172...	993383850	768-5282 Ali...	F	amet.risu...	aunt
11	11	Odette	133340...	116582065	2031 Velit. Rd.	M	dui@lacu...	uncle
12	12	Adara	230520...	343427415	P.O. Box 451...	M	Proin.vel...	uncle

“Fee Details” Table:

R#	CHALLAN_NO	R#	AMOUNT	R#	DISCOUNT	R#	STATUS	R#	DUE_DATE	R#	NET_AMOUNT
1	1		87506		3026		P		01-JAN-20		84480
2	2		87182		2484		N		10-JAN-20		84698
3	3		78572		3273		N		12-JAN-20		75299
4	4		78152		6370		P		05-JAN-20		71782
5	5		24976		9062		N		06-JAN-20		15914
6	6		69137		17305		P		08-JAN-20		51832
7	7		47278		5548		N		10-FEB-20		41730
8	8		19844		10669		N		11-FEB-20		9175
9	9		49509		1427		N		13-FEB-20		48082
10	10		34817		13281		N		05-FEB-20		21536
11	11		90123		13692		P		05-FEB-19		76431
12	12		77034		16815		N		05-FEB-19		60219
13	13		87780		19809		P		06-FEB-19		67971
14	14		96441		18514		N		01-JAN-19		77927
15	15		48574		3553		P		10-JAN-18		45021
16	16		80226		17387		N		10-JAN-18		62839
17	17		52881		3664		P		10-JAN-18		49217
18	18		50202		16313		P		11-JAN-18		33889
19	19		71991		15586		N		11-JAN-18		56405
20	20		12727		8822		N		11-JAN-18		3905
21	21		55483		3435		P		12-JAN-18		52048
22	22		19252		5525		N		12-JAN-18		13727
23	23		14588		3346		N		12-JAN-18		11242
24	24		49711		1133		P		12-JAN-18		48578

“History” Table:

R#	HIST_ID	R#	OLD_CLASS	R#	NEW_CLASS	R#	NEW_ADMISSION	R#	ENROLLMENT_DATE	R#	STUDENT_ID
1	1		(null)		3		Y		01-MAY-10		1
2	2		2		3		N		20-JUL-15		2
3	3		6		7		N		30-JUL-09		3
4	4		(null)		9		Y		05-SEP-17		4
5	5		(null)		9		Y		19-MAR-14		5
6	6		(null)		11		Y		24-MAY-11		6
7	7		9		10		N		08-NOV-07		7
8	8		(null)		11		Y		02-JAN-11		8
9	9		7		8		N		04-DEC-04		9
10	10		5		6		N		23-MAY-10		10

“Student” Table:

	STUDENT_ID	STUDENT_NAME	DOB	GENDER	AGE	ADMISSION_DATE	COURSE_ID	PARENT_ID	GUARDIAN_ID	CLASS_ID	CHALLAN_NO	SECTION
1		Levi	02-JAN-10	M	10	02-JAN-13	1	1	1	1	1	A
2	2	Finn	02-JAN-10	M	10	02-JAN-14	20	3	2	2	1	B
3	3	Valentine	03-JAN-16	F	4	05-JUL-17	5	3	3	6	12	B
4	4	Beck	05-JAN-03	M	17	09-JUL-06	10	4	4	4	13	C
5	5	Cyrus	24-AUG-06	M	14	02-OCT-09	11	5	5	5	5	B
6	6	Sopoline	04-AUG-10	F	10	14-DEC-13	12	6	6	3	13	C
7	7	Geoffrey	03-FEB-13	M	7	07-FEB-16	8	7	7	2	9	B
8	8	Dana	27-APR-12	F	8	22-DEC-15	2	8	8	4	4	A
9	9	Katell	28-MAY-04	M	16	02-APR-07	15	9	9	5	2	A
10	10	Priscilla	24-OCT-06	F	14	24-AUG-09	13	10	10	1	6	C
11	11	Caesar	23-JUN-13	F	7	07-APR-20	7	5	12	5	11	A
12	12	Quincy	24-FEB-13	F	7	05-NOV-15	16	9	5	4	6	A
13	13	Tamekah	25-MAY-13	F	7	26-SEP-15	4	19	8	1	15	A
14	14	Logan	05-SEP-12	M	8	11-DEC-18	18	6	12	2	11	A
15	15	Clio	06-JAN-14	M	6	09-FEB-16	20	6	5	5	21	B
16	16	Daria	08-JAN-15	M	5	02-NOV-18	10	11	10	5	5	A
17	17	Karleigh	25-JAN-15	M	5	11-MAR-19	9	10	12	5	6	A
18	18	Clarke	18-JUN-12	M	8	24-DEC-18	19	3	6	5	19	A
19	19	Keefe	21-FEB-14	M	6	14-AUG-19	9	15	3	5	22	A
20	20	Chastity	29-JUL-14	M	6	08-DEC-16	7	16	5	4	12	B
21	21	Celeste	30-SEP-14	F	6	05-AUG-16	7	11	2	1	6	B
22	22	Brynn	14-NOV-14	F	6	08-AUG-17	2	11	3	6	11	C
23	23	Orson	28-MAY-14	F	6	26-OCT-18	8	4	1	3	9	C
24	24	Blair	16-NOV-14	M	6	17-SEP-19	8	17	11	3	23	B
25	25	Dalton	12-FEB-14	M	6	13-JUL-17	15	19	9	2	5	B