Expected tables for the questions in the homework of SQL, Python and R

2a.

DepartmentName	students
Arts	137
English	84
Science	200
Sport	81

2b.

CourseName	students
Advanced English	24
English Begginers	32
Proffesional English	38
Total	84

2c.

classroom_size	num_classrooms
Big classrooms	10
Small classrooms	6

2d.

Gender	num_students
F	165
M	115

2e.

CourseId	CourseName	Gender	studentsPercent
22	Sculpture	F	70.833333333300
29	Tenis	F	72.222222222200

2f.

Option 1:

DepartmentName	students_80	total_students	students_80_pct
Arts	61	137	44.526
English	40	84	47.620
Science	122	200	61.000
Sport	39	81	48.148

Option 2:

DepartmentName	students_80	total_students	students_80_pct
Arts	50	137	36.496
English	37	84	44.048
Science	86	200	43.000
Sport	36	81	44.444

2g.

Option 1:

DepartmentName	students_60	total_students	students_60_pct
Arts	3	137	2.189
English	2	84	2.352
Science	7	200	3.414
Sport	1	81	1.234

Option 2:

DepartmentName	students_60	total_students	students_60_pct
Arts	3	137	2.189
English	1	84	1.190
Science	2	200	1.000
Sport	1	81	1.234

2h.

Teacher	avg_degrees
Darick Hess	81.443750
Jordyn Baron	80.727777
Heather Metcalf	80.433333
Kaylea Monzingo	79.363157
Zachary Healy	79.358333
Daniel Bland	78.905000
Keegan Price	78.822222
Conor Mckittrick	78.696808
Maxwell Romkee	78.675000
Terran Beaty	78.498837
Tanner Fitzsimons	78.444117
Mackenzie Olsen	78.390000
Ernest Stoyanov	78.319230
Madison Batan	77.753333
Katerina Young	77.408823
Mikayla Russell	77.127777

Amanda Dworkin	76.900000
Kaitlin Delude	76.761111
Jeffrey Batzel	76.729166
Robert Aivazian	76.516666
Caroline Knuesel	75.959375
Alexander Watts	75.677083

VIEWS

3a.

CourseId	CourseName	DepartmentName	FirstName	LastName	num_students
1	English Begginers	English	Conor	Mckittrick	32
2	Advanced English	English	Conor	Mckittrick	24
3	Proffesional English	English	Conor	Mckittrick	38
4	Mathematics 101	Science	Amanda	Dworkin	18
5	Matematics Advanced	Science	Alexander	Watts	10
6	Algebra	Science	Alexander	Watts	12
7	Geometry	Science	Alexander	Watts	13
8	Chemistry	Science	Jeffrey	Batzel	23
9	Physics	Science	Alexander	Watts	12
10	Biology	Science	Jordyn	Baron	36
11	Genetics	Science	Terran	Beaty	37
12	Neurobiology	Science	Terran	Beaty	24
13	Statistics	Science	Heather	Metcalf	24
14	Computer Science	Science	Kaylea	Monzingo	38
15	Data Science	Science	Mackenzie	Olsen	30
16	SQL	Science	Zachary	Healy	24
17	Python	Science	Terran	Beaty	23
18	R	Science	Tanner	Fitzsimons	33
19	Java	Science	Darick	Hess	16
20	History of Arts	Arts	Caroline	Knuesel	32
21	Painting	Arts	Katerina	Young	34
22	Sculpture	Arts	Robert	Aivazian	23
23	Musicology	Arts	Madison	Batan	30
24	Theater	Arts	Ernest	Stoyanov	26
25	Literature	Arts	Daniel	Bland	39
26	Basketball	Sport	Katherine	Dibari	0
27	Volleyball	Sport	Kaitlin	Delude	36
28	Football	Sport	Cortnee	Kinderknecht	0
29	Tenis	Sport	Keegan	Price	18
30	Swimming	Sport	Mikayla	Russell	18
31	Gymnastics	Sport	Maxwell	Romkee	22

3b.

StudeId	FirstName	LastNm	courses	English	Arts	Science	Sports	General
1	Alexandria	Heller	4	NULL	86.70	79.56	NULL	81.35
2	Cassie	Liska	5	NULL	79.55	78.90	NULL	79.16
3	Hayley	Frank	3	84.00	NULL	76.20	NULL	78.80
4	Maxwell	Kotch	3	70.90	69.40	74.20	NULL	71.50
5	Dylan	Boehm	3	NULL	64.50	100.0	65.70	76.73
6	Chelsea	Vuolo	2	NULL	68.80	74.40	NULL	71.60
7	Katrina	Evers	4	NULL	NULL	73.30	NULL	73.30
8	Sean	Hasenack	3	89.10	96.20	79.30	NULL	88.200
9	Madalyn	Miller	2	NULL	NULL	86.80	NULL	86.80
10	Katrina	Miller	4	NULL	80.10	78.65	85.10	80.62
11	Rachael	Williams	3	NULL	70.95	75.60	NULL	72.50
12	Sophiya	Aponte	4	83.15	87.50	61.50	NULL	78.82
13	Elijah	Hogan	2	NULL	NULL	65.10	80.10	72.60
14	Rossi	Panelli	0	NULL	NULL	NULL	NULL	NULL
15	Catherine	Sturgeon	5	NULL	62.10	79.50	67.80	71.34

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