

Creating an SQL Database for “Employee Attrition 1”

```

1  create table EmployeeAttrition1(
2      EmployeeNumber int,
3      Age int,
4      BusinessTravel varchar(32),
5      DailyRate int,
6      Department varchar(32),
7      DistanceFromHome int,
8      Education int,
9      EducationField varchar(32),
10     EnvironmentSatisfaction int,
11     Gender varchar(32),

```

Importing the dataset onto the table and finally getting this result:

	employeenumber integer	age integer	businesstravel character varying (32)	dailyrate integer	department character varying (32)
1	1	41	Travel_Rarely	1102	Sales
2	2	49	Travel_Frequently	279	Research & Development
3	4	37	Travel_Rarely	1373	Research & Development
4	5	33	Travel_Frequently	1392	Research & Development
5	7	27	Travel_Rarely	591	Research & Development
6	8	32	Travel_Frequently	1005	Research & Development
7	10	59	Travel_Rarely	1324	Research & Development
8	11	30	Travel_Rarely	1358	Research & Development
9	12	38	Travel_Frequently	216	Research & Development
10	13	36	Travel_Rarely	1299	Research & Development
11	14	35	Travel_Rarely	809	Research & Development
12	15	29	Travel_Rarely	153	Research & Development
13	16	31	Travel_Rarely	670	Research & Development
14	18	34	Travel_Rarely	1346	Research & Development
15	19	28	Travel_Rarely	103	Research & Development
16	20	20	Travel_Rarely	1200	Research & Development
Total rows: 1000 of 1470			Query complete 00:00:01.084		Ln 35, Col 33

Creating an SQL Database for “Employee Attrition 2”

```

37 create table employeeattrition2(
38     EmployeeNumber      int,
39     Over18               varchar(32),
40     OverTime             varchar(32),
41     Attrition            varchar(32)
42 );
43

```

Importing the dataset onto the table and finally getting this result:

	employeenumber integer	over18 character varying (32)	overtime character varying (32)	attrition character varying (32)
1	1	Y	Yes	Yes
2	2	Y	No	No
3	4	Y	Yes	Yes
4	5	Y	Yes	No
5	7	Y	No	No
6	8	Y	No	No
7	10	Y	Yes	No
8	11	Y	No	No
9	12	Y	No	No
10	13	Y	No	No
11	14	Y	No	No
12	15	Y	Yes	No
13	16	Y	No	No
14	18	Y	No	No
15	19	Y	Yes	Yes
16	20	Y	No	No

Total rows: 1000 of 1470 Query complete 00:00:00.341 Ln 44, Col 1

Q1

```

46 --1
47 select count(*) from employeeattrition1;
48

```

Data Output	Messages	Notifications
<div> <div>count</div> <div>bigint</div> </div>		
1	1470	

Q2

	jobrole character varying (32) 🔒	recordcount bigint 🔒
1	Sales Executive	326
2	Research Scientist	292
3	Laboratory Technician	259
4	Manufacturing Director	145
5	Healthcare Representative	131
6	Manager	102
7	Sales Representative	83
8	Research Director	80
9	Human Resources	52

Q3

	jobrole character varying (32) 🔒	avg double precision 🔒	avg double precision 🔒
1	Healthcare Representative	7528.763358778626	15.450381679389313
2	Human Resources	4235.75	14.807692307692308
3	Laboratory Technician	3237.169884169884	15.046332046332047
4	Manager	17181.676470588234	15.137254901960784
5	Manufacturing Director	7295.137931034483	15.593103448275862
6	Research Director	16033.55	14.95
7	Research Scientist	3239.972602739726	15.448630136986301
8	Sales Executive	6924.2791411042945	14.889570552147239
9	Sales Representative	2626	15.674698795180722

Q4

