

Задача:

Составьте таблицы для хранения сведений об общественном транспорте.

Можно на примере автобусов.

При составлении таблиц не берите слишком много сущностей. Ориентируйтесь на структуру типа: «У нас есть автобусы на разных маршрутах, у автобуса есть водитель, также в автобусе работает кондуктор».

Более сложные/глубокие структуры пока лучше не брать.

Trip

id_routes	Route number	id_people	Name	id_position	Position	id_transport	Model	Registration number
1	101	1	Dagda Buckley	1	Driver	1	MAN Lion's City	04-D-46148
1	101	4	Abaigeal Fitzpatrick	2	Controler	1	MAN Lion's City	04-D-46148
2	102	2	Alastar Cullen	1	Driver	5	Volvo 8700	05-D-11566
2	102	5	Betha Flynn	2	Controler	5	Volvo 8700	05-D-11566
3	303	3	Fiann Collins	1	Driver	2	MAN Lion's City	00-D-54066
3	303	6	Glenna Lyons	2	Controler	2	MAN Lion's City	00-D-54066

Personnel

id_people	Name	id_phoneNumbers	Phone number	id_department	Department	id_position	Position
1	Dagda Buckley	1	+353 1 804 0325	1	Logistic department	1	Driver
2	Alastar Cullen	2	+353 1 804 0406	1	Logistic department	1	Driver
3	Fiann Collins	3	+353 1 804 0508	1	Logistic department	1	Driver
4	Abaigeal Fitzpatrick	4	+353 1 804 0686	2	Logistic department	2	Controler
5	Betha Flynn	5	+353 1 804 0504	2	Logistic department	2	Controler
6	Glenna Lyons	6	+353 1 804 0234	2	Logistic department	2	Controler
7	Eimear Hayes	7	+354 1 804 0555	3	Service	3	Mechanic
8	Gabriel Kenny	8	+355 1 804 0238	4	Administration	4	Routes administrator

Routes

id_routes	Route number	id_station	Start Point	id_station	Station1	id_station	Station2	id_station	Last Point
1	101	2	Grand Canal Dock, Ringsend Bus Depot	1	Ringsend, stop 356	3	Ringsend Road, stop 395	4	Pearse Square, stop 352
2	102	2	Grand Canal Dock, Ringsend Bus Depot	5	Pearse Station	6	Science Gallery, stop 7587	12	Wellington Quay
3	303	2	Grand Canal Dock, Ringsend Bus Depot	7	Shaw Street, Stop 400	8	College Street	11	Aston Quay
4	308	2	Grand Canal Dock, Ringsend Bus Depot	9	Westmoreland Street, stop 320	10	Westmoreland Street, stop 320	14	Parliament Street, stop 2912

Stations

id_station	Station Name	id_adress	Station adress
1	Ringsend, stop 356	1	13 Bridge St, Dublin 4, D04 K8F7, Ireland
2	Grand Canal Dock, Ringsend Bus Depot	2	Grand Canal Dock, Dublin 4, Ireland
3	Ringsend Road, stop 395	3	Apartment 18, Shelbourne Village, Ringsend Rd, Dublin 4, Ireland
4	Pearse Square, stop 352	4	1 Pearse Square, Dublin Docklands, Dublin, D02 PC61, Ireland
5	Pearse Station	5	2 Westland Row, Dublin 2, Ireland
6	Science Gallery, stop 7587	6	Luce Hall, Pearse St, Dublin 2, D02 H308, Ireland

7	Shaw Street, Stop 400	7	Samuel Beckett Centre, Pearse St, Dublin, Ireland
8	College Street	8	Fleet St, Dublin 2, Ireland
9	Westmoreland Street, stop 320	9	40-47 Fleet St, Temple Bar, Dublin 2, D02 NX25, Ireland
10	Westmoreland Street, stop 320	10	Westmoreland St, Temple Bar, Dublin, Ireland
11	Aston Quay	11	Aston Quay, Temple Bar, Dublin 2, D02 FV38, Ireland
12	Wellington Quay	12	31-32 Wellington Quay, Temple Bar, Dublin, D02 RX80, Ireland
13	Wellington Quay, stop 312	13	10 Wellington Quay, Temple Bar, Dublin, D02 VX36, Ireland
14	Parliament Street, stop 2912	14	8 Parliament St, Temple Bar, Dublin, D02 E180, Ireland

Addresses

id	address	Station address
1	13 Bridge St, Dublin 4, D04 K8F7, Ireland	
2	Grand Canal Dock, Dublin 4, Ireland	
3	Apartment 18, Shelbourne Village, Ringsend Rd, Dublin 4, Ireland	
4	1 Pearse Square, Dublin Docklands, Dublin, D02 PC61, Ireland	
5	2 Westland Row, Dublin 2, Ireland	
6	Luce Hall, Pearse St, Dublin 2, D02 H308, Ireland	
7	Samuel Beckett Centre, Pearse St, Dublin, Ireland	
8	Fleet St, Dublin 2, Ireland	
9	40-47 Fleet St, Temple Bar, Dublin 2, D02 NX25, Ireland	
10	Westmoreland St, Temple Bar, Dublin, Ireland	
11	Aston Quay, Temple Bar, Dublin 2, D02 FV38, Ireland	
12	31-32 Wellington Quay, Temple Bar, Dublin, D02 RX80, Ireland	

13	10 Wellington Quay, Temple Bar, Dublin, D02 VX36, Ireland
14	8 Parliament St, Temple Bar, Dublin, D02 E180, Ireland

Phone numbers

id_phoneNumbers	Phone number	id_people	Name
1	+353 1 804 0325	1	Dagda Buckley
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4	+353 1 804 0686	4	Abaigeal Fitzpatrick
5	+353 1 804 0504	5	Betha Flynn
6	+353 1 804 0234	6	Glenna Lyons
7	+354 1 804 0555	7	Eimear Hayes
8	+355 1 804 0238	8	Gabriel Kenny

Departments

id_department	Department	id_position	Position	Value
1	Logistic department	1	Driver	3
1	Logistic department	2	Controler	3
3	Service department	1	Mechanic	2
3	Service department	1	Service engineer	1
4	Administration	2	Controler	1

Positions

id_position	Position	Salary
1	Driver	10 000
1	Driver	10 000
1	Driver	10 000
2	Controler	8 500
2	Controler	8 500
2	Controler	8 500
3	Mechanic	12 000
4	Service engineer	14 000
5	Routes administrator	10 000

Transport

id_transport	Registration number	Model	Year of production	Number of passenger seats	id_maintance	Last maintance date
1	04-D-46148	MAN Lion's City	2010	76	1056	15.01.2022
2	00-D-54066	MAN Lion's City	2010	76	1057	16.01.2022
3	03-D-73788	MAN Lion's City	2010	76	1058	17.01.2022
4	11-D-13474	MAN Lion's City	2010	76	1059	18.01.2022
5	05-D-11566	Volvo 8700	2015	49	1020	01.12.2021
6	08-D-12458	Volvo 8700	2015	49	1021	02.12.2021

Maintance

id_maintance	Maintance date	id_people	Made by
1056	15.01.2022	7	Eimear Hayes
1057	16.01.2022	7	Eimear Hayes
1058	17.01.2022	7	Eimear Hayes
1059	18.01.2022	7	Eimear Hayes
1020	01.12.2021	7	Eimear Hayes
1021	02.12.2021	7	Eimear Hayes