

Databases

Practice #1 - Oracle SQLPLUS

1. Show all information about all deliverers.

DELIVERERID	NAME	INITIALS	YEAR_OF_BIRTH	SEX	YEAR_JOINED	STREET	HOUSENO	POSTCODE	TOWN	CELLNO	PHONENO
2	Everett	R	1948	M	1975	Stoney Road	43	3575NH	Stratford	070-237893	2411
6	Parmenter	R	1964	M	1977	Haseltine Lane	80	1234KK	Stratford	070-476537	8467
8	Newcastle	B	1962	F	1980	Station Road	4	6584WO	Inglewood	070-476573	2983
27	Collins	DD	1964	F	1983	Long Drive	804	8457DK	Eltham	079-234857	2513
44	Baker	E	1963	M	1980	Lewis Street	23	4444LJ	Inglewood	070-368753	1124
57	Brown	M	1971	M	1985	Edgecombe Way	16	4377CB	Stratford	070-473458	6409
83	Hope	PK	1956	M	1982	Magdalene Road	16a	1812UP	Stratford	070-353548	1608
100	Parmenter	P	1963	M	1979	Haseltine Lane	80	1234KK	Stratford	070-476537	6524
104	Moorman	D	1970	F	1984	Stout Street	65	9437AO	Eltham	079-987571	7060
112	Bailey	IP	1963	F	1984	Vixen Road	8	6392LK	Plymouth	010-54874	1319
7	Wise	GWS	1963	M	1981	Edgecombe Way	39	9758VB	Stratford	070-347689	
28	Collins	C	1963	F	1983	Old Main Road	10	1294QK	Midhurst	010-659599	
39	Bishop	D	1956	M	1980	Eaton Square	78	9629CD	Stratford	070-393435	
95	Miller	P	1934	M	1972	High Street	33a	5746OP	Douglas	070-867564	

2. Show the identification codes of all the companies for which deliverers either delivered or collected goods.

COMPANYID
1
2

3. For each deliverer whose last name (attribute NAME) starts with the letter 'B', show the deliverer name and the identification code.

NAME	DELIVERERID
Baker	44
Brown	57
Bailey	112
Bishop	39

4. For each deliverer whose office phone number (attribute PHONENO) is either different from 8467 or not available, show the deliverer name, sex, and identification code.

NAME	SEX	DELIVERERID
Everett	M	2
Newcastle	F	8
Collins	F	27
Baker	M	44
Brown	M	57
Hope	M	83
Parmenter	M	100
Moorman	F	104
Bailey	F	112
Wise	M	7
Collins	F	28
Bishop	M	39
Miller	M	95

5. Show the name and city of residence of the deliverers who received at least one fine.

NAME	TOWN
Parmenter	Stratford
Newcastle	Inglewood
Moorman	Eitham
Collins	Eitham
Baker	Inglewood

6. For each company reference person who has received at least one fine after 31/12/1980, show the last name and the first name initials (attribute INITIALS). Sort the result in increasing alphabetical order with respect to the last name.

NAME	INITIALS
Collins	DD

7. For each deliverer living in Stratford, find all companies where the deliverer has made at least two collections and one delivery, showing the results as pairs (deliverer identification code, company identification code).

COMPANYID	DELIVERERID
1	2
1	83

8. Show the identification codes for the deliverers born after 1962 who have made at least one delivery to a company whose reference person has been appointed for the first time (attribute MANDATE=1). Sort the result in descending order of identification codes.

DELIVERERID
57
44
6

9. Show the last name of the deliverers living either in Inglewood or in Stratford who either delivered or collected goods for at least 2 customer companies.

NAME
Newcastle

10. For each deliverer living in Inglewood who received at least two fines, show the deliverer identification code and the *total* amount (attribute AMOUNT) of the received fines.

DELIVERERID	SUM(AMOUNT)
44	130

11. For each deliverer who received between 2 and 4 fines (i.e., at least 2 but no more than 4 fines), show the last name and the amount of the smallest fine received.

NAME	MIN(P.AMOUNT)
Collins	75
Baker	25

12. For each deliverer not living in Stratford and whose last name (attribute NAME) begins with the letter 'B', show the total number of deliveries and the total number of collections.

SUM(NUMDELIVERIES)	SUM(NUMCOLLECTIONS)
11	13