Sprint 2

Nivell 1

Exercici 1

```
# Nivell 1
# Exercici 1
select *
from transaction
where company_id in (
    select id
    from company
    where country = 'Germany');
```

	id	credit_card_id	company_id	user_id	lat	longitude	timestamp	amount	declined
١	108B1D1D-5B23-A76C-55EF-C568E49A05DD	CcU-2938	b-2222	275	83.7839	-178.86	2021-07-07 17:43:16	293.57	0
	EA2C3281-C9C1-A387-44F8-729FB4B51C76	CcU-2938	b-2222	275	20.2004	-116.84	2021-05-09 10:25:08	119.36	1
	0DD2E608-5C9E-D1B3-4999-B99F43AD735A	CcU-2959	b-2234	275	9.68811	130.282	2021-04-17 05:30:17	252.47	1
	AB069F53-965E-A2A8-CE06-CA8C4FD92501	CcU-2959	b-2234	275	1.64819	-158.007	2021-04-15 13:37:18	60.99	0
	0466A42E-47CF-8D24-FD01-C0B689713128	CcU-4219	b-2302	170	-43.9695	-117.525	2021-07-26 07:29:18	49.53	0
	0A476ED9-0C13-1962-F87B-D3563924B539	CcU-4359	b-2302	221	-56.4901	114.801	2022-02-26 20:33:54	430.49	0
	122DC333-E19F-D629-DCD8-9C54CF1EBB9A	CcU-4366	b-2302	221	29.6372	-166.173	2021-06-09 06:04:14	172.01	0
	135267BA-2E7D-957C-C42C-6450A2B3ED54	CcU-4520	b-2302	210	20.6724	14.9732	2021-12-29 20:38:23	17.97	0
	14CAE5B5-8FB1-3E4A-4C85-0EA4167534F4	CcU-4849	b-2302	189	-53.6202	93.0533	2021-12-31 00:29:42	388.04	0
	158A3ACB-541C-DBCC-65BD-6373CC67BF1C	CcU-4849	b-2302	183	42.5424	-170.347	2022-03-08 05:02:19	240.29	0
	162C7E78-2B6B-7971-A1E4-D2124E732451	CcU-4527	b-2302	210	-69.1381	58.0017	2021-04-11 05:59:18	231.26	0
	1717FD6B-ADAD-7082-A748-9112BE892CCC	CcU-4219	b-2302	172	69.4892	-138.411	2021-12-29 16:18:54	249.91	0
	1753A288-9FC1-52E6-5C39-A1FFB97B0D3A	CcU-4345	b-2302	222	57.9422	-114.729	2021-08-17 05:32:08	497.84	0
	186F53DE-DE27-B1FE-B82F-15B61CEB7726	CcU-4310	b-2302	225	-72.7448	36.6211	2021-12-20 13:13:45	238.16	0
	18C4E2DD-1E4C-F35E-2198-C660BD81DC25	CcU-4849	b-2302	177	68.0133	91.4839	2021-09-24 18:55:25	237.04	0
	18CCBA7C-ABC1-813D-FAF3-4BAB97429368	CcU-4219	b-2302	173	51.3881	-156.371	2021-06-21 03:21:34	58.16	0
	19E1EC3E-2119-1EFD-8AAE-5930D4A4E63F	CcU-4219	b-2302	154	-56.0839	116.987	2021-07-06 21:40:15	29.63	0
	1B117D49-936C-BA6C-E94B-30C3293AA239	CcU-4219	b-2302	163	-75.099	109.034	2021-05-09 23:56:04	371.35	0
	1B521826-5860-5A86-5364-6EB6A5CC21B7	CcU-4226	b-2302	231	-53.4613	49.1484	2021-08-14 02:39:50	476.33	0
	1C3B3CC4-B919-7616-6A57-EEBDD7B7B68B	CcU-4415	b-2302	217	81.1737	62.8835	2021-09-27 16:07:34	462.35	0
	2075B12D-69AB-7022-57BB-33ED49B72766	CcU-4247	b-2302	229	-9.03682	88.9005	2022-02-13 04:07:29	87.44	0
	241827A6-E87C-6DA3-5AC9-BBCFD42B7D2A	CcU-4849	b-2302	190	-12.1172	-175.322	2021-08-04 04:44:35	487.64	0
	2585891B-C4C7-075E-358B-B575339E5177	CcU-4450	b-2302	215	32.9171	-40.6059	2021-08-24 05:32:36	253.49	0
	263035AA-8758-E413-8CC4-6D8F81BBF899	CcU-4338	b-2302	223	36.61	83.1953	2021-06-21 11:23:01	499.23	0
	2C0A4725_4R10_621C_4FF4_AF0F31CFF5R0	Cd I-4210	h-2302	140	-46 7357	162 102	2021-08-14 00-23-34	20.05	n

La taula ens mostra les transacions de les empreses alemanes, ho podem comprobar manualment a la taula de company amb el seu ID.

Exercici 2

```
# Exercici 2

select company_name
from company
where id in (
select company_id
from transaction
where amount > (
select avg(amount)
from transaction))
```

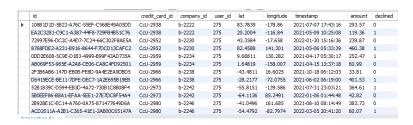


La taula de la dreta ens mostra una part de les empreses que han realitzat transaccions amb una valor major a la mitjana d'aquestes.

Exercici 3

```
# Exercici 3
select*
from transaction

  where company_id in (
    select id
    from company
    where company_name like '%C%');
```



La taula ens mostra les transaccions de les empreses que començen amb C.

Exercici 4

```
# Exercici 4

select company_name
from company

where id = (
    select company_id
    from transaction
    where company_id = (
        select company_id
        from transaction
        where amount is null)
    )

select company_id

from transaction
    where user_id is null;
```

Nivell 2

Exercici 1

```
# Nivell 2
                                                                                                                                        credit_card_id company_id user_id lat
#Exercici 1
                                                                                  2B928E1C-EC14-A760-0A75-871477649D6A
                                                                                                                                       CcU-2980
                                                                                                                                                                                       -41.0496
                                                                                                                                                                                                    161.685
                                                                                                                                                                                                                 2021-08-10 08:14:49
                                                                                  ACD2011A-A2B1-C365-41E1-2AB00C65147A
4334349E-CEB0-3D68-A4D4-FEB7718A1ACE
BC2B9A38-77B4-28CD-1FE8-14DED863E773
                                                                                                                                                         b-2246
b-2310
b-2310
                                                                                                                                                                        275 -54.4792
275 -20.4859
275 -78.0295
                                                                                                                                                                                                   -82.7974
150.87
18.5295
                                                                                                                                                                                                                2021-08-10 08: 14:49
2022-03-05 20:41:20
2021-05-03 22:37:23
2021-10-18 07:27:35
select *
from transaction
                                                                                   1479B3D2-B7BA-C7BB-4CE3-8D7C2DE85ABB
                                                                                                                                       CcU-2994
                                                                                                                                                                                      66.2672
                                                                                                                                                                                                    172.399
                                                                                                                                                                                                                 2021-08-09 00:58:07
where company_id in (
                                                                                  152598C2-029D-D684-4B66-91EDE393EBFE
                                                                                                                                      CcU-2994
                                                                                                                                                         b-2326
                                                                                                                                                                                      -67.0189
                                                                                                                                                                                                   -141.672
                                                                                                                                                                                                                2021-07-05 03:10:00
                                                                                                                                                                                                                                             395.43
                                                                                  186398C2-029D-0864-3868-31EDF-393EBFF

18636B58-A2E8-7C69-D9C9-C54535DAFD38

20418DE5-B804-BE98-BD7A-A95C18FDBF5C

239B8576-6C0E-137A-C2F6-3180A188A2D3
                                                                                                                                                                                      70.2543
-79.1145
23.6174
                                                                                                                                                                                                    -141.672
-13.1336
1.51481
137.222
                                                                                                                                                                                                                2021-07-05 08:48:46
2022-01-03 15:59:29
2021-08-26 06:04:05
2021-10-01 21:08:53
       select id
        from company
                                                                                  267C4A86-7BA7-1C5E-0718-2824983C87DD
                                                                                                                                      CcU-2994
                                                                                                                                                         b-2326
                                                                                                                                                                          126
                                                                                                                                                                                      -17.5259
                                                                                                                                                                                                    104.915
                                                                                                                                                                                                                                            122.63 0
       where country = (
                                                                                   3142C93E-B3B7-49E4-EE2D-29CA834B198D
                                                                                                                                                                                       -67.8476
                                                                                                                                                                                                    -119.978
                                                                                                                                                                                                                 2021-04-06 17:24:44
               select country
                                                                                  3578688E-7B1D-8887-3BC7-20B8673AA31E
                                                                                                                                                                                                    -22.7339
                                                                                                                                                                                                                2021-07-26 22:59:24
               from company
               where company_name = 'Non Institute')
```

La taula ens mostra les transaccions del mateix país que Non Institute

Exercici 2

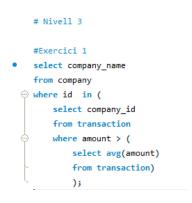
```
#Exercici 2
select company_name
from company

where id in (
select company_id
from transaction
where amount = (
select max(amount)
from transaction)
);

we company_name
Nunc Interdum Incorporated

Nom de la companya amb la transacció més elevada
```

Niv 3 E.1





Llistat de les empreses que superen la mitjana de les transacions.