**QR-Caching**

* Turma: D2
* Número do Grupo: 5
* Membros do Grupo:
  + Tomás Salgueiro (Número: 20220589)
  + João Moniz (Número: 20220550)

**1**

**Objetivos**

|  |  |
| --- | --- |
| 1- Determinar a média de LQRCodes por pessoa. | **Feito** |
| 2- Identificar o nome da pessoa com mais LQRCodes. | **Feito** |
| 3- Encontrar o LQRCode mais utilizado. | **Feito** |
| 4- Identificar o evento mais frequentado. | **Feito** |
| 5- Determinar a pessoa com mais achievements. | **Feito** |
| 6- Calcular a média de achievements por pessoa. | **Feito** |

**2**

**Diagrama da base de dados**

A screenshot of a computer

Description automatically generated**3**

**Código correspondente a cada objetivo**

**1-**

**SELECT AVG(lqrcodes\_count) AS media\_lqrcodes\_por\_pessoa**

**FROM (**

**SELECT ulq\_user\_id, COUNT(\*) AS lqrcodes\_count**

**FROM ulq**

**GROUP BY ulq\_user\_id**

**) AS user\_lqrcodes;**

**2-**

**SELECT user\_name**

**FROM (**

**SELECT u.user\_name, COUNT(\*) AS lqrcodes\_count**

**FROM ulq AS ul**

**INNER JOIN users AS u ON ul.user\_id = u.id**

**GROUP BY ulq\_user\_id**

**ORDER BY lqrcodes\_count DESC**

**LIMIT 1**

**) AS user\_most\_lqrcodes;**

**3-**

**SELECT lqrcode\_id**

**FROM (**

**SELECT ulq\_lqrcode\_id, COUNT(\*) AS usage\_count**

**FROM ulq**

**GROUP BY ulq\_lqrcode\_id**

**ORDER BY usage\_count DESC**

**LIMIT 1**

**) AS most\_used\_lqrcode;**

**4-**

**SELECT events\_name**

**FROM (**

**SELECT e.events\_name, COUNT(\*) AS attendance\_count**

**FROM ulq AS ul**

**INNER JOIN lqe AS lqe ON ul.lqe\_id = lqe.id**

**INNER JOIN events AS e ON lqe.lqe\_events\_id = e.events\_id**

**GROUP BY lqe\_events\_id**

**ORDER BY attendance\_count DESC**

**LIMIT 1**

**) AS most\_attended\_event;**

**5-**

**SELECT user\_name**

**FROM (**

**SELECT u.user\_name, COUNT(\*) AS achievements\_count**

**FROM ulq AS ul**

**INNER JOIN users AS u ON ul.user\_id = u.id**

**WHERE ul.post\_id IS NOT NULL**

**GROUP BY ul.user\_id**

**ORDER BY achievements\_count DESC**

**LIMIT 1**

**) AS user\_most\_achievements;**

**6-**

**SELECT AVG(achievements\_count) AS media\_achievements\_por\_pessoa**

**FROM (**

**SELECT ul.user\_id, COUNT(\*) AS achievements\_count**

**FROM ulq AS ul**

**WHERE ul.post\_id IS NOT NULL**

**GROUP BY ul.user\_id**

**) AS user\_achievements;**