

ES6 CODING CHALLENGE

Imagine that you are the owner of multiple **dental clinics around Melbourne City**. You are very cheap and for **every visit you charge only 50\$** to every patient per appointment. **Parking fee is 3 dollars per hour for 9 dollars for all day**, none of the procedures are longer than 1 hours and you are open 365 days.

Now as owner you are responsible for managing the number of income from

1. Dental Clinics Appointments

2. Parking fees

Your account team that is responsible for providing report once a day how is the situation of the clinics and parking.

At the moment you have 4 clinics and 4 parking places. All of the clinics and parking have building address, year built. **The clinic size can be small, normal, big.**

As owner you are expecting to have daily report generated for parking and appointments.

The report data should be printed to the console.

CLINIC REPORT

- Average number of patients per day in the 4 clinics (number/4) => avg
- Total number of patients for all for clinics
- Income generated from all day patient visit (number*50 dollars)
- Avg income generated per day for (number/4)*50
- When clinic is youngest
- Which of the clinic is oldest
- The smallest number of patients in one day

- The largest number of patients in one day
- Size of the clinics

Importat: Clinic Size, number of patients, price per appointment

PARKING REPORT

- Average number of all day parking spots
- Average number of all day hourly parkings
- Total number of all day parking in one day in all clinics
- Total number of hourly parking in one day in all clinics
- Total income for all full and hourly parking per day
- Which clinic has more than or equal to 100 all day parking spots
- Which clinic has more or equal to 100 hourly parkings

Importat: all parkings, hourly parkings, price for both parkings

HINT HOW TO DO THIS ON YOUR OWN: ANY SOLUTION IS CORRECT

- **USE ES6 CLASSES**
- **USE TEMPLATE STRINGS**
- **USE MAPS**
- **ARROW FN**
- **FIND CONNECTION FOR PARENT AND SUBCLASS**

- **FOR EXAMPLE THINK WHAT PARKINGS AND CLINICS HAVE IN COMMON, THERE ARE OBVIOUS THINGS**

How the Console log should look like:

```
////////// CLINICS REPORT //////////
```

1. In all of the clinics we have an average of: 94 patients per day
2. In all of the clinics we have total of: 376 patients per day
3. The total income per day for all of the patient visits is: \$18800.
4. The average income per day for all of the patient visits is: \$4700.
5. The newly opened dental clinic was opened in the year 2016
6. The oldest opened dental clinic was opened in the year 2020
7. The smallest number of patients in one day was: 33
8. The largest number of patients in one day was: 172

Swanson Street Level 2, was built in 2016, and is a big clinic

Brighton Street, was built in 2019, and is a big clinic

Docklands Street Shop 4-51, was built in 2020, and is a small clinic

Southbank Street Level 5, was built in 2016, and is a normal clinic

```
////////// PARKINGS REPORT //////////
```

1. In our 4 dental clinics we have approximately an average of 86.5 all day parking spots
2. In our 4 dental clinics we have approximately an average of 66 hourly parking spots
3. In all of the 4 dental clinics we have total number of all day parking spots 346 per day
4. In all of the 4 dental clinics we have total number of hourly parking spots 264 per day
5. All day parking income from all 4 clinics is \$3114 per day
6. Hourly parking income from all 4 clinics is \$792 per day

►Array(4)

7. Brighton Street 409 has more than or equal to a 100 all day parking sports

8. Docklands Street has more than or equal to a 100 all day parking sports

