

Schedule planer

We create a new startup for conference planning. Now we need an automated way for creating the conference schedule.

Challenge

Implement some service the supports generating such a schedule.

Preconditions

- Talks should be imported from a CSV like:

```
Talk title, Duration in Minutes, Speaker(s)
Awesome coding challenges, 50, Bratislav Metulski
Tending to your unicorn, 30, Apple Jack
(and so on)
```

- Talks are either 30 or 50 minutes long
- After each talk a 15 min break is needed to clean up the conference space
- There is a lunch break between 12 and 13 o'clock each day
- The conference is 3 days long, each conference day starts at 9 o'clock and ends at 17 o'clock

Solution

The solution should generate a conference plan that minimizes empty slots and breaks between talks. Each day should feature a talk starting at 9 o'clock and another talk ending at 17 o'clock.

The output should be a table that lists all talks for all days.