# Client Requirements

Write a function to calculate and return parking fees of a given vehicle with following provided parking rate.

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| --- | --- | --- |
| Day | Hourly Rates | Maximum Charge per day |
| Weekday | Whole day  First 3 Hours $3.00  Subsequent Hour $1.50 | $20.00 |
| Weekend | Whole day  First 3 Hours $5.00 Subsequent Hour $2.00 | $40.00 |
| Additional conditions:   1. Exit within 15 minutes are Free of charge. 2. 5 minutes of grace period on payment. (Grace period minutes - refer Scenarios 2 as example) 3. Transition from day-to-day or weekdays-to-weekend, will count as subsequent hours. The first 3 hours is only counted on the day of the entry. (Refer Scenario 3 as example) | | |

***Expected Output:***

## Scenarios 1: Vehicle exit within 15 minutes.

Reg No.: SU 123 K

In: 2023-10-06 08:16

Out: 2023-10-06 08:27

Duration: 11 minutes Amount to paid: $ 0.00

## Scenarios 2: Vehicle exit after 15 minutes and within grace period minutes.

Reg No.: SN 3453 G

In: 2023-10-06 08:16

Out: 2023-10-06 12:19

Duration: 4 hours 3 minutes Amount to paid: $ 4.50

## Scenarios 3: Vehicle exit after 1 day.

Reg No.: SP 521 G

In: 2023-10-06 08:00

Out: 2023-10-07 09:00

Duration: 25 hours Amount to paid: $ 38.00