

# Parking Lot System

I have created a python project for creating parking lot system with features like paring car,leav,find car no by color etc.

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## Technologies:

Project is created with: •

Python: 3.8.5

## Setup:

- To run this project:
- Clone this repo.
- Install Python goto root directory where • `parkinglot.py`
- file is present.
- Run
- `python`

command and check for any

errors:

like I got extra length error to ignore that use `#noqa` at the end

4.Run •

`parkinglot.py`

5.you have to choose 1 option either by file or by command line In order to use file option you should have file with name

- `file.txt`
- in your root director

## Usage

Note:

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please make sure you follow the commands properly Format to be followed

1.To create parking lot use  
'create\_parking\_lot  
<no.>' "

•example:- create\_parking\_lot 6

•2.To park car in parking lot use 'park <car\_no.> <car\_color>'

•example:parkKA-01-HH-1234white

•3.To leave car in parking lot use 'leave<slot\_no>'

•example:leave4

•4.To get status of parking lot use 'status'

•example: status

•5.To get registration for car with color of parking lot use  
'registration\_numbers\_for\_cars\_with\_colour <color\_name>'

•example:registration\_numbers\_for\_cars\_with\_colourWhite

•6.To Get slot for car with color of parking lot  
use 'slot\_numbers\_for\_cars\_with\_colour<color\_name>'

•example:slot\_numbers\_for\_cars\_with\_colourWhite •7.To  
get slot for car with registration of parking lot use '  
slot\_number\_for\_registration\_number<car\_no.>'

•example: slot\_number\_for\_registration\_number KA-01-HH-3141

## Output:

1 for Terminal Input and 2 for Executing File1

To Create New Parking Lot: create\_parking\_lot no of slots

For Status of parkinglot: status to Remove Car:leave

To Fetch Car: slot\_numbers\_for\_cars\_with\_colour

slot\_number\_for\_registration\_number

registration\_numbers\_for\_cars\_with\_colour To

Exit:Exit create\_parking\_lot 6

Created a parking lot with 6 slots

status

Parking Slot is Empty

park KA-01-HH-1234 White jyothsnaanki@gmail.com

Allocated slot number: floor1slot1

park KA-01-HH-9999 White jyothsnaanki@gmail.com

Allocated slot number: floor1slot2

park KA-01-BB-0001 Black jyothsnaanki@gmail.com

Allocated slot number: floor1slot3

park KA-01-HH-7777 Red jyothsnaanki@gmail.com

Allocated slot number: floor1slot4

park KA-01-HH-3141 Blue jyothsnaanki@gmail.com

Allocated slot number: floor1slot5

park KA-01-HH-3141 Black jyothsnaanki@gmail.com

Sorry, Same Car Already Park

leave Floor1Slot4

Check Your Email for Bill Invoice

Slot number floor1slot4 is free.

Duration Parked 0:00:25

status

Slot No. Registration No Colour Entry\_Time Duration Email floor1slot1 ka-01-hh-

1234 white 22:33:14 0:00:30 jyothsnaanki@gmail.com floor1slot2 ka-01-hh-

9999 white 22:33:14 0:00:30 jyothsnaanki@gmail.com floor1slot3 ka-01-bb-

0001 black 22:33:14 0:00:30 jyothsnaanki@gmail.com floor1slot5 ka-01-hh-

3141 blue 22:33:14 0:00:30 jyothsnaanki@gmail.com