**Project Title: Design a Parking Lot using Python**

**Introduction:-**

Off-street parking is an important part of the transportation system. As it is

very difficult to manage and maintain the huge parking lot so there were this

project comes in the scenario. This project can keep the record based on the

Registration number(Number Plate no.) and the Color of the car.

**Dependencies**

You just need Python.Visit the link https://www.python.org/downloads/ to install

Python.

**Motivation:**

As in the concrete jungle like in big cities, there is a very inefficient way of

parking a car, and sometimes it is very difficult to locate and bring out a car from

that place. So the idea is developed to build this project.

**Note:** In this project manual input as well as file input both are accepted.

For Source Code Visit: <https://github.com/attainu/python-project-Sumitroyau9>

**Python Libraries Used:**

● Sys

**Technology Used:**

● Python 3.8

**Testcases:**

create\_parking\_lot 6

park KA-01-HH-1234 White

park KA-01-HH-9999 White

park KA-01-BB-0001 Black

park KA-01-HH-7777 Red

park KA-01-HH-2701 Blue

park KA-01-HH-3141 Black

leave 4

status

park KA-01-P-333 White

park DL-12-AA-9999 White

registration\_numbers\_for\_cars\_with\_colour White

slot\_numbers\_for\_cars\_with\_colour White

slot\_number\_for\_registration\_number KA-01-HH-3141

slot\_number\_for\_registration\_number MH-04-AY-1111

Video Link:

https://drive.google.com/file/d/1GcSHtd5h6LvCt36HXEAh3Xj3OnrzOfXY/view?

usp=sharing