PROJECT TITLE: SMART PARKING

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**PYTHON CODE**

#Import Time

import time

Vehicle\_Number=['XXXX-XX-XXXX']

Vehicle\_Type=['Bike']

vehicle\_Name=['Intruder']

Owner\_Name=['Unknown']

Date=['22-22-3636']

Time=['22:22:22']

bikes=100

cars=250

bicycles=78

def main():

global bikes,cars,bicycles

try:

while True:

print("-----------------------------------------------------")

print("\t\tParking Management System")

print("-------------------------------------------------------")

print("1.Vehicle Entry")

print("2.Remove Entry" )

print("3.View Parked Vehicle ")

print("4.View Left Parking Space ")

print("5.Amount Details ")

print("6.Bill")

print("7.Close Programme ")

print("+---------------------------------------------+")

ch=int(input("\tSelect option:"))

if ch==1:

no=True

while no==True:

Vno=input("\tEnter vehicle number (XXXX-XX-XXXX) - ").upper()

if Vno=="":

print("###### Enter Vehicle No. ######")

elif Vno in Vehicle\_Number:

print("###### Vehicle Number Already Exists")

elif len(Vno)==12:

no=not True

Vehicle\_Number.append(Vno)

else:

print("###### Enter Valid Vehicle Number ######")

typee=True

while typee==True:

Vtype=str(input("\tEnter vehicle type(Bicycle=A/Bike=B/Car=C):")).lower()

if Vtype=="":

print("###### Enter Vehicle Type ######")

elif Vtype=="a":

Vehicle\_Type.append("Bicycle")

bicycles-=1

typee=not True

elif Vtype=="b":

Vehicle\_Type.append("Bike")

bikes-=1

typee=not True

elif Vtype=="c":

Vehicle\_Type.append("Car")

cars-=1

typee=not True

else:

print("###### Please Enter Valid Option ######")

name=True

while name==True:

vname=input("\tEnter vehicle name - ")

if vname=="":

print("########Please Enter Vehicle Name ########")

else:

vehicle\_Name.append(vname)

name=not True

o=True

while o==True:

OName=input("\tEnter owner name - ")

if OName=="":

print("###### Please Enter Owner Name ######")

else:

Owner\_Name.append(OName)

o=not True

d=True

while d==True:

date=input("\tEnter Date (DD-MM-YYYY) - ")

if date=="":

print("###### Enter Date ######")

elif len(date)!=10:

print("###### Enter Valid Date ######")

else:

Date.append(date)

d=not True

t=True

while t==True:

time=input("\tEnter Time (HH:MM:SS) - ")

if t=="":

print("###### Enter Time ######")

elif len(time)!=8:

print("###### Please Enter Valid Time ######")

else:

Time.append(time)

t=not True

print("\n............................................................Record")