File - C:\Users\geoff\Desktop\FlyOx Concept\Python\pandas\aircrafttypeAI.py

```python
# coding: utf-8
__author__ = 'Geoffrey Nyaga'

import sys
sys.path.append('../')
from API.db_API import write_to_db, read_from_db
from API.aircrafttypeAPI import aircraft_type

import numpy as np
from sklearn import tree
import pandas as pd
import random

"""
 this is my code

"""

aircraft_categories = ["LSA","Sailplanes","GA"]

mydict = [read_from_db('finalMTOW'),read_from_db('emptyWeight'),read_from_db('S')*10.76 ,read_from_db('wingSpan')]

number_of_aircraft = 5000

def fin():
    return_matrixx = []
    for x in range(21):
        c = aircraft_type(number_of_aircraft,mydict)
        return_matrixx.append(c)
    return (np.bincount(return_matrixx).argmax())

output_matrix = []

for iteration in range(9):
    print ('calculating step',iteration)
    iteration = fin()
    output_matrix.append(iteration)

# print(output_matrix,"pheeeew")
index = np.bincount(output_matrix).argmax()
# print(index,"my index")
aircraft_type = aircraft_categories[index]
print("the aircraft type is:",aircraft_type," and YEEEEH!!! I finally i made it!!!!!!")
```