Quantigo AI

Case Study

Purpose

The purpose of this test is to evaluate your analytical abilities. A case study is an integral part while selecting candidates for an engineering post. It allows the candidates to experience situations that they might actually face in the current world. When responding to the questions, add the source code you used to derive the answer.

Scenario:

1. Suppose You have a JSON file: pos_0.png.json. Your job is to write a python script that will read JSON from a folder and convert this format into a standard format:
   formatted_pos_0.png.json

   note: object attribute (presence) will be dependent on if the class(vehicle or license plate) is present on the raw JSON. If both the classes are missing look at the example **formatted_pos_10492.png.json

   You may test out your code with the following jsons:
   Pos_0.png.json
   Pos_10010.png.json
   Pos_10492.png.json

2. Write a python that can read json from a folder and combine the test jsons (Pos_0.png.json,Pos_10010.png.json, Pos_10492.png.json) into a single json file and then change the class names into vehicle>car, license plate >number

NO 2 is mandatory to finish.

Sample Jsons link:

https://drive.google.com/file/d/1OztzUGW3iemKgFLNdatYA69FwqCtA5Tx/view?usp=sh aring

Please complete the Case Study by this Sunday, 7th September 2022 BD Time: 11:00 PM.

Thank you for showing your interest in Quantigo AI.