

Full-stack Department Back-end Challenge

- Our stack is primarily in Python, but you can use any programming language.
- Answer each question in a separate file.
- All code should be well commented
- Cover edge cases that you think of
- Send answers to kunal@machinemedicine.com within 24 hours of receiving this task

1. Write code for the following function

```
def list_contents_in_directory(dirPath):  
    """  
    Print all files and files in subdirectories.  
    If you can come up with multiple approaches, do write them.  
    For Python, please do not use os.walk() in your answer. Other  
    languages also avoid using such implementations.  
    """
```

2. Write REST APIs to manage the data for a scientific conference

The routes should allow the user to:

- A. Add a conference talk
- B. Add attendees to a talk
- C. View all the conference data in a readable format.

It is not necessary to implement a database, the data may be stored in a JSON file.

See the sample data to get an idea for the implementation.

You may use any libraries or framework, but the code should be well commented, and you should be prepared to explain your decisions.

Ensure that your code is production ready, and also include a user guide for a non-technical person to be able to use it. Include a summary of what you would have done to extend this had you been given more time

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