**The 4-4-5 Calendar**

With a 4-4-5 calendar, the standard 52-week year divides into four 13-week quarters, which comprise three periods split into a four-week, four-week, five-week format. A twist to this uniform structure occurs every five or six years when a fifty-third week is necessary to catch up for leap years and the fact that the standard 52-week year accounts for only 364 days.

Retailers are the most common users of the 4-4-5 calendar. Companies who use the weeks-based calendar often do so when there is a natural alignment with core business flows. These flows include customer traffic, shipping, payroll processing, and procurement. These firms often find that period-end cutoff is less complex for those costs, and there is better matching of costs and revenues.

<https://en.wikipedia.org/wiki/4%E2%80%934%E2%80%935_calendar>

**Task**

Write a http service (API) using a language or serverless technology of your choice that returns a 4-4-5-week trading calendar as json for a given calendar year. Write the application as you would expect to find it in a production ready application.

* Provide an endpoint to request a JSON formatted 4-4-5 week calendar for a given year.
* All code must be checked into a repository of your choice.
* Code should be deployed to a cloud environment of your choice.
* Code and deployment link must be shared/sent to REPL upon completion.

**Useful tools**

Azure Free - <https://azure.microsoft.com/en-gb/free/>

AWS Free - <https://aws.amazon.com/free>

GitHub - <https://github.com/>

**Example Output (for reference only feel free to modify or change output as required)**

{

"FiscalYear" : 2021

"Months":

[

{

"FiscalMonth" : "April",

"NumberOfWeeks": 4,

"Weeks":

[

{

"WeekNumber": 1

"Days":

[

"29/03/2021",

"30/03/2021",

"31/03/2021",

"01/04/2021",

"02/04/2021",

"03/04/2021",

"04/04/2021"

]

}

{

"WeekNumber": 2

"Days":

[

"05/04/2021",

...

]

}

...

]

},

...

]

}