**Important points to note regarding code structure:**

* **Please use python only.**
* The code should be structured in a manner where input, data manipulation, calculations & outputs are separate functions i.e. more of modular structure.
* The calculations in table should be able to be called on a standalone basis and should not require the entire code to be run. Eg if we just want to run the ‘Climate change’ table etc
* Separate out py files for each functions and import them wherever required

**Assignment**

**Part I**

**Task**

* We need to perform calculations in the **Risk – Return Calculation Table** (Cell B35 – W46) and **Climate Change Stress Tests** (Cell B50-W61).
* We also need to perform calculations in Setup tab which is used in Risk – Return Calculation Table**.**
* We should not read any values directly in python which are being calculated in excel through formula.

**Data**

* All the raw data required for Risk – Return Calculation Table is in CMA tab.
* Raw data for Climate Change Stress Test is in CC Scen tab.
* Please note if there are any calculations in these tab (for example cumulative returns in CC Scen tab column P to S must be done in Python and should not be read directly from excel)

**Allocations**

* Portfolio Allocations are provided in Allocations and Results tab (Cell B4 –W32). You can read the allocation directly from here.

Please keep the Structure of the Result tables same as they are in the excel workbook.

**Part II**

**Dashboard**

**Input**

* Create a dashboard on any platform (except Excel), where user can provide the Asset Allocations on the dashboard.
* Raw data can be uploaded (CMA and CC Scen) in .xlsx or .csv format.
* Python code from part I will act as a backend calculation engine.
* Feel free to change the structure of the input data for the dashboard.

**Output**

* Two result tables are generated (Risk – Return Calculation, Climate Change Stress)