Calculate BMI:

1. Main.py:

This script takes a json\_file as input in the format:

{

    "0": {

        "Gender": "Male",

        "HeightCm": 171,

        "WeightKg": 96

    },

    "1":{

        "Gender": "Male",

        "HeightCm": 161,

        "WeightKg": 85

    },

}

Where each key represents a person,

Upon verifying the input is a valid json file,

We will take each persons data and verify it against a json schema to check the input is provided in the specified format.

Then we calculate bmi and append the results like health risk, bmi, bmi category and then save it in output.txt.

Usage : python main.py

1. Test.py:

Test cases are written using unit test python framework, where calculate\_bmi and validating with json are tested.

1. Settings.py:

File where all bmi settings are saved.

1. Script.sh:

Usage: bash script.sh –m to execute main script

bash script.sh –t to execute test script