Instructions to run the code files:

From the matpower8.0 folder, we need to open the installer and run it which will open intall\_matpower.m in MATLAB and we need to run it ( it takes time) and we need to choose 3 and then yes and yes when prompted. Once that file completes execution, one needs to run the Power\_System\_Data\_Case14.m file . Then one needs to execute OPF\_MultiOBJ\_case14.m which is our weighted-sum approach, which will also generate a graph . Then one needs to execute OPF\_Multiobj\_Pareto.m which is our Pareto front analysis and will generate 4 graphs.