```
#!/bin/bash

# This script sequentially launches multiples instances of the simulation

pathBase="/home/ukurien/projects/def-yaumanko/ukurien/ED50"

echo Press 1 for simulation with monodisperse
echo Press 2 for bi disperse
read varChoice

if [ $varChoice -eq 1 ]
then
        # Gathering info on data to be prepped
        echo Enter the smallest droplet size for which the simulation was run
        read dropSizeLB
        echo Enter the largest drop size for which the simulation was run
        read dropSizeUB
        echo Enter the increments through which the droplet size was changed
        read dropSizeInc

        echo Please specify gomic flags used
        read gomicFlag
        echo Please specify ihydro flag
        read iHydro


        # gomic = 0 and ihydro = 0
        # ------------------------
        if [ "$gomicFlag" == "0" ] && [ "$iHydro" == "0" ]
        then
                # Initiating loop to cycle through paths
                for (( dropSize=$dropSizeLB; dropSize<=$dropSizeUB;dropSize=$dropSiz
e+$dropSizeInc))
                do
                        # Following path
                        # --------------
                        pathModel="Rr$dropSize$dropSize"
                        pathFinal="$pathBase/$pathModel/gomic0"

                        echo Entering $pathFinal :
                        cd $pathFinal
                        echo

                        # Launch simulation from within directory
                        # ---------------------------------------
                        echo Launching simulation :
                        ./compileandrun_graham
                        echo
                done

        # gomic = 1 and ihydro = 0
        # ------------------------
        elif [ "$gomicFlag" == "1" ] && [ "$iHydro" == "0" ]
        then
                #Initiating loop to cycle through paths
                for (( dropSize=$dropSizeLB; dropSize<=$dropSizeUB;dropSize=$dropSiz
e+$dropSizeInc))
                do

                        # Following path
                        # --------------
                        pathModel="Rr$dropSize$dropSize"
                        pathFinal="$pathBase/$pathModel/gomic1"

                        echo Entering $pathFinal:
                        cd $pathFinal
                        echo

                        # Launch simulation from within directory
                        # ---------------------------------------
                        echo Launching simulation:
                        ./compileandrun_graham
                        echo
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                done

        # gomic = 2 and ihydro = 0
        # ------------------------
        elif [ "$gomicFlag" == "2" ] && [ "$iHydro" == "0" ]
        then
                #Initiating loop to cycle through paths
                for (( dropSize=$dropSizeLB; dropSize<=$dropSizeUB;dropSize=$dropSiz
e+$dropSizeInc))
                do

                        # Following path
                        # --------------
                        pathModel="Rr$dropSize$dropSize"
                        pathFinal="$pathBase/$pathModel/gomic2ihydro0"

                        echo Entering $pathFinal:
                        cd $pathFinal
                        echo

                        # Launch simulation from within directory
                        # ---------------------------------------
                        echo Launching simulation:
                        ./compileandrun_graham
                        echo
                done

        # gomic = 2 and ihydro = 1
        # ------------------------
        elif [ "$gomicFlag" == "1" ] && [ "$iHydro" == "0" ]
        then
                #Initiating loop to cycle through paths
                for (( dropSize=$dropSizeLB; dropSize<=$dropSizeUB;dropSize=$dropSiz
e+$dropSizeInc))
                do

                        # Following path
                        # --------------
                        pathModel="Rr$dropSize$dropSize"
                        pathFinal="$pathBase/$pathModel/gomic2ihydro1"

                        echo Entering $pathFinal:
                        cd $pathFinal
                        echo

                        # Launch simulation from within directory
                        # ---------------------------------------
                        echo Launching simulation:
                        ./compileandrun_graham
                        echo
                done
        fi

elif [ $varChoice -eq 2 ]
then
        echo Code for this part has not been written as yet.
fi

# Display submitted jobs
# ----------------------
squeue -u ukurien
```