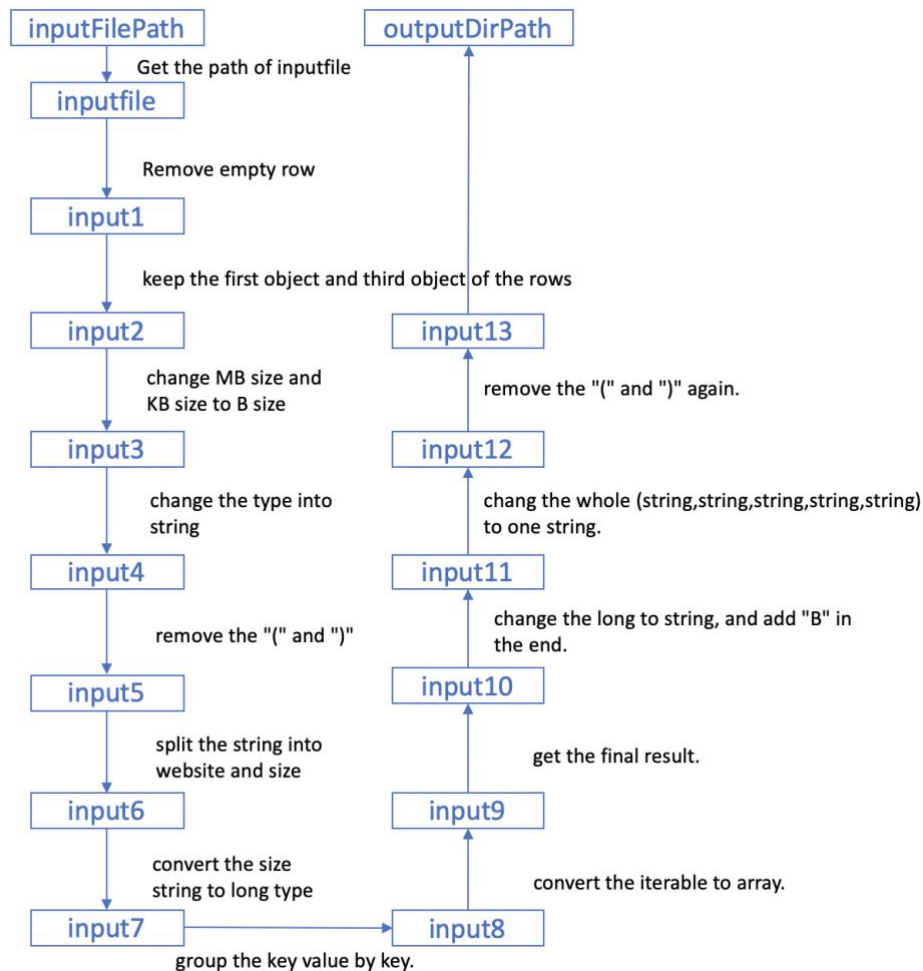


assignment2_solution

z5136463

The flow of the program is showed as below:



Two functions are defined by myself to calculate the mean and variance:

```

def average(payloads: Array[Long]): Long = {
    payloads.sum/payloads.length
}
//define a function to calculate the mean.

def getva( ts: Array[Long]): Long = {
    var varsum : Long = 0
    var med : Long = 0
    for(e <- ts){
        med = e - average(ts)
        varsum += med*med
    }
    varsum = varsum / ts.size.toLong
    varsum
}
//define a function to calculate the variance.

```