```
km::KMeansCUDA

- int k

- std::vector< Point
    > points

- std::vector< Point
    > centroids

- int number_of_iterations

+ KMeansCUDA(const int
    &k, const std::vector
    < Point > &points)
```

+ void run()

() const

+ void printClusters

+ void plotClusters()
+ auto getPoints() ->
 std::vector< Point >
+ auto getCentroids()
 -> std::vector< Point >

+ auto getIterations

 $() \rightarrow int$