```
km::KMeansBase
# int k
# std::vector< Point
  > points
# std::vector< Point
   > centroids
# int number of iterations
+ KMeansBase(const int
  &k. const std::vector
  < Point > &points)
+ KMeansBase(const int &k)
+ virtual ~KMeansBase
  ()=default
+ virtual void run()=0
+ auto getPoints() const
   -> std::vector< Point >
+ auto getCentroids()
  const -> std::vector
  < Point >
+ auto getIterations
  () const -> int
```

## km::KMeansSequential

- + KMeansSequential(const int &k, const std::vector < Point > &points)
- + void run() override