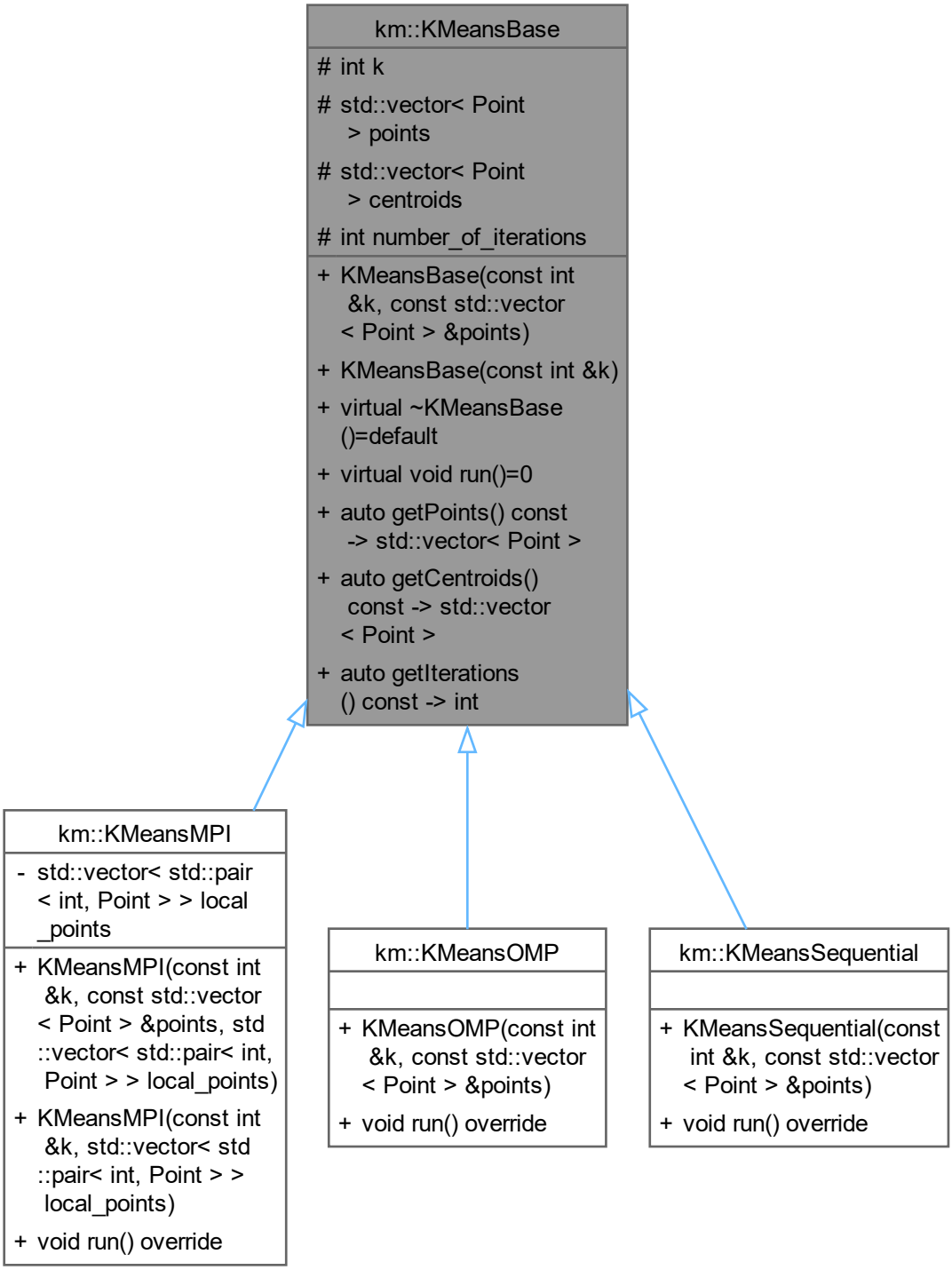
km::KMeansBase
int k
std::vector< Point > points
std::vector< Point > centroids
int number_of_iterations
+ KMeansBase(const int &k, const std::vector < Point > &points)
+ KMeansBase(const int &k)
+ virtual ~KMeansBase ()=default
+ virtual void run()=0
+ auto getPoints() const -> std::vector< Point >
+ auto getCentroids() const -> std::vector < Point >
+ auto getIterations () const -> int
km::KMeansMPI
- std::vector< std::pair < int, Point > > local _points
+ KMeansMPI(const int &k, const std::vector < Point > &points, std ::vector< std::pair< int, Point > > local_points)
+ KMeansMPI(const int &k, std::vector< std ::pair< int, Point > > local_points)
+ void run() override
km::KMeansOMP
+ KMeansOMP(const int &k, const std::vector < Point > &points)
+ void run() override
km::KMeansSequential
+ KMeansSequential(const int &k, const std::vector < Point > &points)
+ void run() override