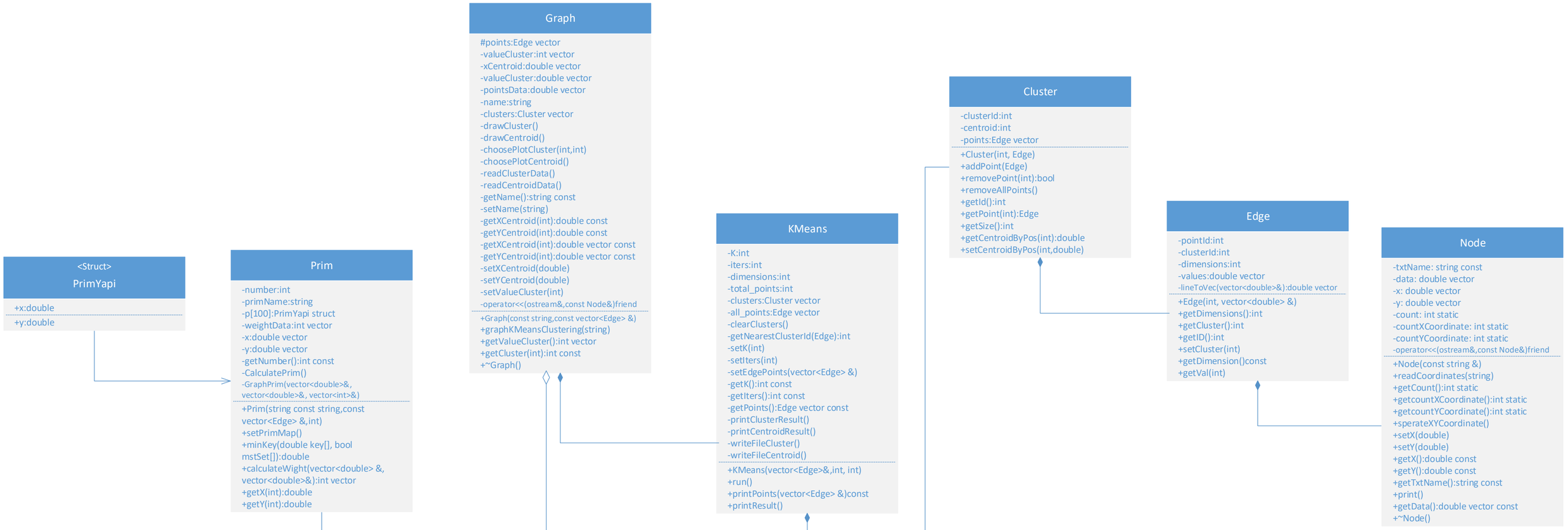
<Struct>
PrimYapi
+x:double
+y:double
Prim
-number:int
-primName:string
-p[100]:PrimYapi struct
-weightData:int vector
-x:double vector
-y:double vector
-getNumber():int const
-CalculatePrim()
-GraphPrim(vector<double>&, vector<double>&, vector<int>&)
+Prim(string const string,const vector<Edge> &,int)
+setPrimMap()
+minKey(double key[], bool mstSet[]):double
+calculateWight(vector<double> &, vector<double>&):int vector
+getX(int):double
+getY(int):double
Graph
#points:Edge vector
-valueCluster:int vector
-xCentroid:double vector
-valueCluster:double vector
-pointsData:double vector
-name:string
-clusters:Cluster vector
-drawCluster()
-drawCentroid()
-choosePlotCluster(int,int)
-choosePlotCentroid()
-readClusterData()
-readCentroidData()
-getName():string const
-setName(string)
-getXCentroid(int):double const
-getYCentroid(int):double const
-getXCentroid(int):double vector const
-getYCentroid(int):double vector const
-setXCentroid(double)
-setYCentroid(double)
-setValueCluster(int)
-operator<<(ostream&,const Node&)friend
+Graph(const string,const vector<Edge> &)
+graphKMeansClustering(string)
+getValueCluster():int vector
+getCluster(int):int const
+~Graph()
KMeans
-K:int
-iters:int
-dimensions:int
-total_points:int
-clusters:Cluster vector
-all_points:Edge vector
-clearClusters()
-getNearestClusterId(Edge):int
-setK(int)
-setIters(int)
-setEdgePoints(vector<Edge> &)
-getK():int const
-getIters():int const
-getPoints():Edge vector const
-printClusterResult()
-printCentroidResult()
-writeFileCluster()
-writeFileCentroid()
+KMeans(vector<Edge>&,int, int)
+run()
+printPoints(vector<Edge> &)const
+printResult()
Cluster
-clusterId:int
-centroid:int
-points:Edge vector
+Cluster(int, Edge)
+addPoint(Edge)
+removePoint(int):bool
+removeAllPoints()
+getId():int
+getPoint(int):Edge
+getSize():int
+getCentroidByPos(int):double
+setCentroidByPos(int,double)
Edge
-pointId:int
-clusterId:int
-dimensions:int
-values:double vector
-lineToVec(vector<double>&):double vector
+Edge(int, vector<double> &)
+getDimensions():int
+getCluster():int
+getID():int
+setCluster(int)
+getDimension()const
+getVal(int)
Node
-txtName: string const
-data: double vector
-x: double vector
-y: double vector
-count: int static
-countXCoordinate: int static
-countYCoordinate: int static
-operator<<(ostream&,const Node&)friend
+Node(const string &)
+readCoordinates(string)
+getCount():int static
+getcountXCoordinate():int static
+getcountYCoordinate():int static
+sperateXYCoordinate()
+setX(double)
+setY(double)
+getX():double const
+getY():double const
+getTxtName():string const
+print()
+getData():double vector const
+~Node()