

interface IGraph

```
+isEmpty(): bool  
+isSimple(): bool  
+isConnected(): bool  
+isStronglyConnected(): bool  
+isOriented(): bool  
+isCyclic(): bool  
+isAcyclic(): bool  
+isATree(): bool  
+isAForest(): bool  
+isEulerian(): bool  
+isNegativelyWeighted(): bool  
+isPlanar(): bool  
+getVertices(): List<Vertex>  
+getEdges(): List<Edge>
```