## Module 5 Assignment

## Results:

Average clustering coefficient: 0.5706384782076823

Global clustering coefficient (transitivity): 0.2556818181818182

Random graph clustering coefficient: 0.13903743315508021

## Program:

```
package assignments;
   public double clusterCoefficientLocal(Vertex v) {
```

```
* @param graph The graph to operate on
* @return The average local clustering coefficient
```

```
* Checks if one vertex is linked to another

* @param from Vertex linked from

* @param to Vertex linked to
```