Name: Nayak, Anil Kumar

UTA ID: 1001396015

k_means_cluster.jar yeast_test.txt 2 5

```
After initialization: error = 123.5953
After iteration 1: error = 114.1491
After iteration 2: error = 113.6180
After iteration 3: error = 113.5289
After iteration 4: error = 113.5124
After iteration 5: error = 113.3813
```

k_means_cluster.jar yeast_test.txt 3 5

```
After initialization: error = 123.5189
After iteration 1: error = 114.4567
After iteration 2: error = 112.7565
After iteration 3: error = 111.8549
After iteration 4: error = 111.2414
After iteration 5: error = 110.9233
```