HW4 Hadi Sharifi

## Q1-a

Check the code bundled with the report

## Q1-b

Check the code bundled with the report

## Q1-c

Check the code bundled with the report

## Q1-d

Check the code bundled with the report.  
I used the KMean function from ScikitLearn package. The best accuracy I got was 80%.

|  |  |  |  |
| --- | --- | --- | --- |
|  | Accuracy | Misclassification for 2 | Misclassification for 6 |
| KMean | 94% | 0.05 | 0.07 |
| GMM-EM | 81% | 0.19 | 0.15 |







