Coursework Four Results by:

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The Mean vector of the HepatitisC data set:

```
1.164 3.916 0.448 5.679 4.865 3.778 4.127 3.604 0.217
```

The Covariance matrix of the HepatitisC data set:

```
5.880 0.245 -0.004 -0.284 -0.346 -0.417 -0.481 -0.267 -0.067
0.245 7.572 0.073 -0.358 -0.346 0.257 2.273 0.946 -0.032
-0.004 0.073 0.247 -0.116 -0.039 -0.003 0.100 0.066 -0.005
                           7.969 4.443 -1.036 -0.306
-0.284 -0.358 -0.116 16.960
                                                     0.047
-0.346 -0.346 -0.039 7.969
                           8.361
                                 4.921 -0.763 -0.752 -0.001
       0.257 -0.003 4.443
                                 6.683 -0.087 -0.376 -0.141
-0.417
                           4.921
-0.481
       2.273 0.100 -1.036 -0.763 -0.087 20.583
                                               1.122
                                                      0.014
-0.267 0.946 0.066 -0.306 -0.752 -0.376 1.122
                                               4.317
                                                      0.119
-0.067 -0.032 -0.005 0.047 -0.001 -0.141 0.014 0.119
                                                      0.170
```

The Eigenface images of the Priciple Components:





The magnitudes of 'c.pgm' from given basis:

1206.254 -1590.133 -248.136 -821.249 246.009 -771.900 963.633 376.967 161.5

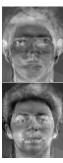
The Partial Reconstructions of image 'c.pgm':





The Eigenface images of the Priciple Components:





The magnitudes of 'c.pgm' from given basis:

828.928 -941.699 1887.013 -410.837 -1537.080 -1110.709

The Partial Reconstructions of image 'c.pgm':

