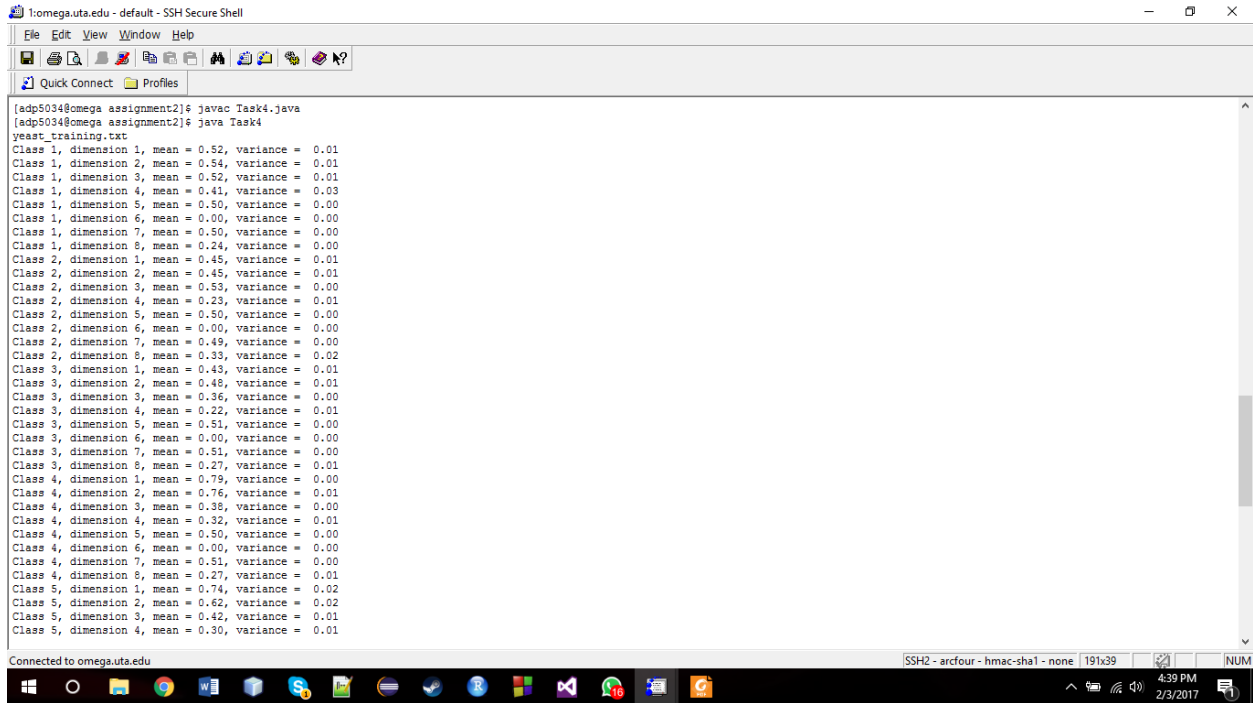


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Course Name: Machine Learning
Course Number: 6363

Task 4 output for yeast_training.txt



```
[adp5034@omega assignment2]$ javac Task4.java
[adp5034@omega assignment2]$ java Task4
yeast_training.txt
Class 1, dimension 1, mean = 0.52, variance = 0.01
Class 1, dimension 2, mean = 0.54, variance = 0.01
Class 1, dimension 3, mean = 0.52, variance = 0.01
Class 1, dimension 4, mean = 0.41, variance = 0.03
Class 1, dimension 5, mean = 0.50, variance = 0.00
Class 1, dimension 6, mean = 0.00, variance = 0.00
Class 1, dimension 7, mean = 0.50, variance = 0.00
Class 1, dimension 8, mean = 0.24, variance = 0.00
Class 2, dimension 1, mean = 0.45, variance = 0.01
Class 2, dimension 2, mean = 0.45, variance = 0.01
Class 2, dimension 3, mean = 0.53, variance = 0.00
Class 2, dimension 4, mean = 0.23, variance = 0.01
Class 2, dimension 5, mean = 0.50, variance = 0.00
Class 2, dimension 6, mean = 0.00, variance = 0.00
Class 2, dimension 7, mean = 0.49, variance = 0.00
Class 2, dimension 8, mean = 0.33, variance = 0.02
Class 3, dimension 1, mean = 0.43, variance = 0.01
Class 3, dimension 2, mean = 0.48, variance = 0.01
Class 3, dimension 3, mean = 0.36, variance = 0.00
Class 3, dimension 4, mean = 0.22, variance = 0.01
Class 3, dimension 5, mean = 0.51, variance = 0.00
Class 3, dimension 6, mean = 0.00, variance = 0.00
Class 3, dimension 7, mean = 0.51, variance = 0.00
Class 3, dimension 8, mean = 0.27, variance = 0.01
Class 4, dimension 1, mean = 0.79, variance = 0.00
Class 4, dimension 2, mean = 0.76, variance = 0.01
Class 4, dimension 3, mean = 0.38, variance = 0.00
Class 4, dimension 4, mean = 0.32, variance = 0.01
Class 4, dimension 5, mean = 0.50, variance = 0.00
Class 4, dimension 6, mean = 0.00, variance = 0.00
Class 4, dimension 7, mean = 0.51, variance = 0.00
Class 4, dimension 8, mean = 0.27, variance = 0.01
Class 5, dimension 1, mean = 0.74, variance = 0.02
Class 5, dimension 2, mean = 0.62, variance = 0.02
Class 5, dimension 3, mean = 0.42, variance = 0.01
Class 5, dimension 4, mean = 0.30, variance = 0.01
```

```
1:omega.uta.edu - default - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles
Class 3, dimension 3, mean = 0.36, variance = 0.00
Class 3, dimension 4, mean = 0.22, variance = 0.01
Class 3, dimension 5, mean = 0.51, variance = 0.00
Class 3, dimension 6, mean = 0.00, variance = 0.00
Class 3, dimension 7, mean = 0.51, variance = 0.00
Class 3, dimension 8, mean = 0.27, variance = 0.01
Class 4, dimension 1, mean = 0.79, variance = 0.00
Class 4, dimension 2, mean = 0.76, variance = 0.01
Class 4, dimension 3, mean = 0.38, variance = 0.00
Class 4, dimension 4, mean = 0.32, variance = 0.01
Class 4, dimension 5, mean = 0.50, variance = 0.00
Class 4, dimension 6, mean = 0.00, variance = 0.00
Class 4, dimension 7, mean = 0.51, variance = 0.00
Class 4, dimension 8, mean = 0.27, variance = 0.01
Class 5, dimension 1, mean = 0.74, variance = 0.02
Class 5, dimension 2, mean = 0.62, variance = 0.02
Class 5, dimension 3, mean = 0.42, variance = 0.01
Class 5, dimension 4, mean = 0.30, variance = 0.01
Class 5, dimension 5, mean = 0.50, variance = 0.00
Class 5, dimension 6, mean = 0.00, variance = 0.00
Class 5, dimension 7, mean = 0.51, variance = 0.00
Class 5, dimension 8, mean = 0.24, variance = 0.00
Class 6, dimension 1, mean = 0.54, variance = 0.02
Class 6, dimension 2, mean = 0.50, variance = 0.01
Class 6, dimension 3, mean = 0.51, variance = 0.00
Class 6, dimension 4, mean = 0.24, variance = 0.01
Class 6, dimension 5, mean = 0.50, variance = 0.00
Class 6, dimension 6, mean = 0.49, variance = 0.14
Class 6, dimension 7, mean = 0.51, variance = 0.00
Class 6, dimension 8, mean = 0.24, variance = 0.00
Class 7, dimension 1, mean = 0.48, variance = 0.01
Class 7, dimension 2, mean = 0.47, variance = 0.01
Class 7, dimension 3, mean = 0.54, variance = 0.00
Class 7, dimension 4, mean = 0.22, variance = 0.01
Class 7, dimension 5, mean = 0.50, variance = 0.00
Class 7, dimension 6, mean = 0.00, variance = 0.00
Class 7, dimension 7, mean = 0.50, variance = 0.00
Class 7, dimension 8, mean = 0.26, variance = 0.01
Class 8, dimension 1, mean = 0.74, variance = 0.01
Connected to omega.uta.edu SSH2 - arcfour - hmac-sha1 - none 191x39 NUM
4:39 PM 2/3/2017
```

```
1:omega.uta.edu - default - SSH Secure Shell
File Edit View Window Help
Quick Connect Profiles
Class 6, dimension 3, mean = 0.51, variance = 0.00
Class 6, dimension 4, mean = 0.24, variance = 0.01
Class 6, dimension 5, mean = 0.50, variance = 0.00
Class 6, dimension 6, mean = 0.49, variance = 0.14
Class 6, dimension 7, mean = 0.51, variance = 0.00
Class 6, dimension 8, mean = 0.24, variance = 0.00
Class 7, dimension 1, mean = 0.48, variance = 0.01
Class 7, dimension 2, mean = 0.47, variance = 0.01
Class 7, dimension 3, mean = 0.54, variance = 0.00
Class 7, dimension 4, mean = 0.22, variance = 0.01
Class 7, dimension 5, mean = 0.50, variance = 0.00
Class 7, dimension 6, mean = 0.00, variance = 0.00
Class 7, dimension 7, mean = 0.50, variance = 0.00
Class 7, dimension 8, mean = 0.26, variance = 0.01
Class 8, dimension 1, mean = 0.74, variance = 0.01
Class 8, dimension 2, mean = 0.73, variance = 0.01
Class 8, dimension 3, mean = 0.49, variance = 0.00
Class 8, dimension 4, mean = 0.29, variance = 0.00
Class 8, dimension 5, mean = 0.50, variance = 0.00
Class 8, dimension 6, mean = 0.00, variance = 0.00
Class 8, dimension 7, mean = 0.46, variance = 0.01
Class 8, dimension 8, mean = 0.23, variance = 0.00
Class 9, dimension 1, mean = 0.55, variance = 0.02
Class 9, dimension 2, mean = 0.56, variance = 0.02
Class 9, dimension 3, mean = 0.51, variance = 0.00
Class 9, dimension 4, mean = 0.20, variance = 0.00
Class 9, dimension 5, mean = 0.50, variance = 0.00
Class 9, dimension 6, mean = 0.00, variance = 0.00
Class 9, dimension 7, mean = 0.53, variance = 0.00
Class 9, dimension 8, mean = 0.24, variance = 0.00
Class 10, dimension 1, mean = 0.78, variance = 0.00
Class 10, dimension 2, mean = 0.74, variance = 0.01
Class 10, dimension 3, mean = 0.48, variance = 0.01
Class 10, dimension 4, mean = 0.33, variance = 0.00
Class 10, dimension 5, mean = 1.00, variance = 0.00
Class 10, dimension 6, mean = 0.00, variance = 0.00
Class 10, dimension 7, mean = 0.55, variance = 0.00
Class 10, dimension 8, mean = 0.23, variance = 0.00
[adp5034@omega assignment2]$
Connected to omega.uta.edu SSH2 - arcfour - hmac-sha1 - none 191x39 NUM
4:39 PM 2/3/2017
```