SEC 1-FA1 number 2 GROUP 9

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GitHub Repository

```
knitr::opts_chunk$set(echo = TRUE)

female_scores <- c(57, 59, 78, 79, 60, 65, 68, 71, 75, 48, 51, 55, 56, 41, 43, 44, 75, 78, 80, 81, 83, 8
male_scores <- c(48, 49, 49, 30, 30, 31, 32, 35, 37, 41, 86, 42, 51, 53, 56, 42, 44, 50, 51, 65, 67, 51

cat("Stem-and-Leaf Plot for Females:\n")
```

```
## Stem-and-Leaf Plot for Females:
```

```
stem(female_scores)
```

```
##
##   The decimal point is 1 digit(s) to the right of the |
##
##   4 | 1348
##   5 | 15679
##   6 | 058
##   7 | 155889
##   8 | 01335
```

```
cat("\nStem-and-Leaf Plot for Males:\n")
```

```
##
## Stem-and-Leaf Plot for Males:
```

```
stem(male_scores)
```

```
##
##   The decimal point is 1 digit(s) to the right of the |
##
##   3 | 001257
##   4 | 1224899
##   5 | 01113668
##   6 | 4457
##   7 | 5
##   8 | 6
```

```r
boxplot(female_scores, male_scores,
        names = c("Females", "Males"),
        col = c("pink", "lightblue"),
        main = "Boxplot of Java Exam Scores by Gender",
        ylab = "Scores")

abline(h = median(female_scores), col = "red", lty = 2)
abline(h = median(male_scores), col = "blue", lty = 2)
```