

RWorksheet_sayson#4b.Rmd

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```
#1.  
vectorA <- c(1, 2, 3, 4, 5)  
matrix5x5 <- matrix(0, nrow = 5, ncol = 5)  
  
for(i in 1:5) {  
  for(j in 1:5) {  
    matrix5x5[i, j] <- abs(vectorA[j] - i)  
  }  
}  
print(matrix5x5)
```

```
##      [,1] [,2] [,3] [,4] [,5]  
## [1,]     0    1    2    3    4  
## [2,]     1    0    1    2    3  
## [3,]     2    1    0    1    2  
## [4,]     3    2    1    0    1  
## [5,]     4    3    2    1    0
```

```
#2.  
n <- 5 # number of rows  
  
for(i in 1) {  
  cat(rep("*", i), "\n")  
}  
  
## *
```