## Vectorized Vs Unvectorized

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```
# Vectorized Operations ----
x \leftarrow rnorm(5)
# R specific programming loop
for(i in x){print (i)}
## [1] -0.7394369
## [1] -0.7997326
## [1] 0.08017235
## [1] 0.3814979
## [1] 0.6470364
# Conventional programming loop
for(j in 1:5){print(x[j])}
## [1] -0.7394369
## [1] -0.7997326
## [1] 0.08017235
## [1] 0.3814979
## [1] 0.6470364
# 2nd Part ----
N <- 100
a <- rnorm(N)
b <- rnorm(N)
# Vectorized approach
c <- a*b
# Devectorized approach
d <- rep(NA,N)</pre>
for(i in 1:N){d[i] <- a[i]* b[i]}</pre>
```