

DS413-Class4

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#Classwork

```
library(tidyverse)
```

```
## -- Attaching packages ----- tidyverse 1.3.0 --
```

```
## v ggplot2 3.3.3    v purrr  0.3.4
```

```
## v tibble  3.0.5    v dplyr  1.0.3
```

```
## v tidyr   1.1.2    v stringr 1.4.0
```

```
## v readr   1.4.0    v forcats 0.5.0
```

```
## -- Conflicts ----- tidyverse_conflicts() --
```

```
## x dplyr::filter() masks stats::filter()
```

```
## x dplyr::lag()    masks stats::lag()
```

#Question 1

```
x <- list(2, 4, 5, 9, 1)
```

```
y <- list(8, 7, 2, 8, 3)
```

```
z <- list(1, 8, 5, 4, 2)
```

```
pmap_dbl(list(x,y,z), sum)
```

```
## [1] 11 19 12 21 6
```

#Question 2

```
tribble( ~Student, ~Gender, ~Salary,
```

```
  "John", "Male",    65000,
```

```
  "Alice", "Female",  73000,
```

```
  "Juan", "Male",    66000,
```

```
  "Beth", "Female",  71500,
```

```
  "Denise", "Female", 82000
```

```
) -> table
```

```
table%>%
```

```
pmap_chr(~ str_glue("{..1} who is {..2}, has a salary that is {..3} dollars per year"))
```

```
## [1] "John who is Male, has a salary that is 65000 dollars per year"
```

```
## [2] "Alice who is Female, has a salary that is 73000 dollars per year"
```

```
## [3] "Juan who is Male, has a salary that is 66000 dollars per year"
```

```
## [4] "Beth who is Female, has a salary that is 71500 dollars per year"
```

```
## [5] "Denise who is Female, has a salary that is 82000 dollars per year"
```

```
#Question 3
```

```
z <- matrix( nrow = 5, ncol = 5)
```

```
for (m in 1:5) {
```

```
  for (n in 1:5) {
```

```
    z[m, n] <- (m + n)
```

```
  }
```

```
}
```

```
print(z)
```

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

```
## [1,]  2  3  4  5  6
```

```
## [2,]  3  4  5  6  7
```

```
## [3,]  4  5  6  7  8
```

```
## [4,]  5  6  7  8  9
```

```
## [5,]  6  7  8  9 10
```

```
#Question 4
```

```
x <- 1:20
```

```
for (val in x) {
```

```
  if (val == 5 | val == 10){
```

```
    next
```

```
  }
```

```
  print(val)
```

```
}
```

```
## [1] 1
## [1] 2
## [1] 3
## [1] 4
## [1] 6
## [1] 7
## [1] 8
## [1] 9
## [1] 11
## [1] 12
## [1] 13
## [1] 14
## [1] 15
## [1] 16
## [1] 17
## [1] 18
## [1] 19
## [1] 20
```