Task2

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```
manage_df <- function(df, row_selection, column_selection){
  df_subset <- df[row_selection, column_selection]
  for (i in 1:ncol(df_subset)) {
    if (is.numeric(df_subset[,i])) {
    print(list(sum(df_subset[,i])))
    } else {
      print(table(df_subset[,i]))}
  }

}
```

```
library("datasets")
```

```
df <- iris
head(df)
```

```
##   Sepal.Length Sepal.Width Petal.Length Petal.Width Species
## 1          5.1         3.5          1.4         0.2  setosa
## 2          4.9         3.0          1.4         0.2  setosa
## 3          4.7         3.2          1.3         0.2  setosa
## 4          4.6         3.1          1.5         0.2  setosa
## 5          5.0         3.6          1.4         0.2  setosa
## 6          5.4         3.9          1.7         0.4  setosa
```

```
df[c(1,2,3), c(3,4,5)]
```

```
##   Petal.Length Petal.Width Species
## 1          1.4         0.2  setosa
## 2          1.4         0.2  setosa
## 3          1.3         0.2  setosa
```

```
manage_df(df, c(1,2,3), c(3,4,5))
```

```
## [[1]]
## [1] 4.1
##
## [[1]]
## [1] 0.6
##
##
##     setosa versicolor  virginica
##          3          0          0
```

```
df2 <- Theoph
head(df2)
```

```
##   Subject   Wt Dose Time  conc
## 1       1 79.6 4.02 0.00  0.74
## 2       1 79.6 4.02 0.25  2.84
## 3       1 79.6 4.02 0.57  6.57
```

```
## 4       1 79.6 4.02 1.12 10.50
## 5       1 79.6 4.02 2.02  9.66
## 6       1 79.6 4.02 3.82  8.58
```

```
df2[1:20, c(T, F)]
```

```
##    Subject Dose  conc
## 1        1 4.02  0.74
## 2        1 4.02  2.84
## 3        1 4.02  6.57
## 4        1 4.02 10.50
## 5        1 4.02  9.66
## 6        1 4.02  8.58
## 7        1 4.02  8.36
## 8        1 4.02  7.47
## 9        1 4.02  6.89
## 10       1 4.02  5.94
## 11       1 4.02  3.28
## 12       2 4.40  0.00
## 13       2 4.40  1.72
## 14       2 4.40  7.91
## 15       2 4.40  8.31
## 16       2 4.40  8.33
## 17       2 4.40  6.85
## 18       2 4.40  6.08
## 19       2 4.40  5.40
## 20       2 4.40  4.55
```

```
manage_df(df2, 1:20, c(T, F))
```

```
##
##  6  7  8 11  3  2  4  9 12 10  1  5
##  0  0  0  0  0  9  0  0  0  0 11  0
## [[1]]
## [1] 83.82
##
## [[1]]
## [1] 119.98
```