```
#Factors
val \leftarrow c(1,2,3,4,5,1,3,5,6,6,8,9,7,6)
val_f <- factor(val)</pre>
val_f
table(val_f)
#Women dataset and cut function
data <- women
data
height_f <- cut(women$height, 3)</pre>
height_f
table(height_f)
weight_f <- cut(women$weight, 5)</pre>
weight f
table(weight f)
#Read xlsx and cut function
f1<-read_xlsx(file.choose())</pre>
f1
f2 <- factor(f1$Department)</pre>
f3 <- factor(f1$Marks)
f3
f4 <- cut(f1$Marks, 5)</pre>
table(f4)
f5 <- summary(f1)</pre>
f5
```

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 R 8.4.3.2 · ~/ ~ neignt_r (58,62.7] (62.7,67.3] (67.3,72] 5 5 5
  > weight_f <- cut(women$weight, 5)
 > weight_f
[1] (115,125] (115,125] (115,125] (115,125] (125,135] (125,135] (125,135] (125,135] (135,144] (135,144]
[10] (135,144] (144,154] (144,154] (154,154] (154,164] (154,164]
Levels: (115,125] (125,135] (135,144] (144,154] (154,164]
> table(weight_f)
 weight_f
(115,125] (125,135] (135,144] (144,154] (154,164]
                                                                                                                   Activate Windows
 > #Read xlsx and cut function
> f1<-read_xlsx(file.choose())
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                                                                    Q Search
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> #Factors
> val <- c(1,2,3,4,5,1,3,5,6,6,8,9,7,6)</pre>
> val_f <- factor(val)
> val_f
 [1] 1 2 3 4 5 1 3 5 6 6 8 9 7 6
Levels: 1 2 3 4 5 6 7 8 9
> table(val_f)
val_f
1 2 3 4 5 6 7 8 9
2 1 2 1 2 3 1 1 1
> #Women dataset and cut function
> data <- women
> data
     height weight
1
            58
                  115
            59
2
                      117
3
            60
                      120
4
            61
                      123
                      126
5
          62
6
                      129
          63
7
           64
                      132
8
           65
                       135
9
                      139
          66
10
          67
                      142
11
          68
                      146
12
            69
                      150
13
            70
                      154
14
            71
                       159
15
            72
                       164
```

```
> height_f <- cut(women$height, 3)
> height_f
 [1] (58,62.7] (58,62.7] (58,62.7] (58,62.7] (62.7,67.3] (62.7,67.3] (62.7,67.3
[9] (62.7,67.3] (62.7,67.3] (67.3,72]
Levels: (58,62.7] (62.7,67.3] (67.3,72]
                                           (67.3,72] (67.3,72] (67.3,72]
> table(height_f)
height_f
  (58,62.7] (62.7,67.3] (67.3,72]
> weight_f <- cut(women$weight, 5)</pre>
> weight_f
[1] (115,125] (115,125] (115,125] (115,125] (125,135] (125,135] (125,135] (135,144] (135,144] [10] (135,144] (144,154] (144,154] (144,154] (154,164] (154,164]
Levels: (115,125] (125,135] (135,144] (144,154] (154,164]
> table(weight_f)
weight_f
(115,125] (125,135] (135,144] (144,154] (154,164]
> #Read xlsx and cut function
> f1<-read_xlsx(file.choose())
> f1
# A tibble: 10 \times 4
    ID Name Department Marks
   <db1> <chr>
                  <chr>
                            <db1>
     1 Arpit
                  Comp
                                99
       2 Raj
                  CSE
                                  82
      3 Aniket
                 IT
 3
                                  84
 4
      4 Kumar
                   Comp
                                 98
      5 Sharma
                 IT
      6 Mukund CSE
7 vedang ECE
 6
                                  93
                                 95
      8 Sherpura ECE
9 Harsh Comp
 8
                                 87
 9
                                  96
     10 Pushkar IT
                                  92
> f2 <- factor(f1$Department)</pre>
> f2
[1] COMP CSE IT COMP IT CSE ECE ECE COMP IT
Levels: Comp CSE ECE IT
> f3 <- factor(f1$Marks)
> f3
[1] 99 82 84 98 90 93 95 87 96 92
Levels: 82 84 87 90 92 93 95 96 98 99
> f4 <- cut(f1$Marks, 5)
 [1] (95.6,99] (82,85.4] (82,85.4] (95.6,99] (88.8,92.2] (92.2,95.6] (92.2,95.6] (85.4,88.8] [9] (95.6,99] (88.8,92.2]
[1] (95.6,99]
Levels: (82,85.4] (85.4,88.8] (88.8,92.2] (92.2,95.6] (95.6,99]
> table(f4)
  (82,85.4] (85.4,88.8] (88.8,92.2] (92.2,95.6]
> f5 <- summary(f1)
> f5 <- summary(f1)
> f5
       ID
                                        Department
                                                                 Marks
                      Name
 Min. : 1.00
                  Length:10
                                                             Min. :82.00
                                        Length:10
                 Class:character Class:character
Mode:character Mode:character
 1st Qu.: 3.25
                                                              1st Qu.:87.75
 Median : 5.50
                                                              Median :92.50
                                                              Mean :91.60
 Mean : 5.50
 3rd Qu.: 7.75
                                                              3rd Qu.:95.75
 Max. :10.00
                                                              Max. :99.00
```