Lab_04

izd3

Use only commands & functions that are shown in the indicated chapter or prior chapters.

Problem #01 - Chapter 16 Exercise #02

```
# Show your work here
library(stringr)
```

```
## Warning: package 'stringr' was built under R version 4.2.3
```

```
Chopper<-seq(from=-23,to=-178,length.out=47)
Hera<-rep(TRUE,times=30)
UpperBackwards<-paste(str_sort(LETTERS,decreasing = TRUE),collapse = " ")
Lists002<-list(Chopper,Hera,UpperBackwards)
str(Lists002)
```

```
## List of 3
##  $ : num [1:47] -23 -26.4 -29.7 -33.1 -36.5 ...
##  $ : logi [1:30] TRUE TRUE TRUE TRUE TRUE TRUE ...
##  $ : chr "Z Y X W V U T S R Q P O N M L K J I H G F E D C B A"
```

Problem #02 - Chapter 18 Exercise #04a

```
# Show your work here
Loblolly[2]
```

```
##    age
## 1    3
## 15   5
## 29  10
## 43  15
## 57  20
## 71  25
## 2    3
## 16   5
## 30  10
## 44  15
## 58  20
## 72  25
## 3    3
## 17   5
## 31  10
## 45  15
## 59  20
## 73  25
## 4    3
## 18   5
## 32  10
## 46  15
## 60  20
## 74  25
## 5    3
## 19   5
## 33  10
## 47  15
## 61  20
## 75  25
## 6    3
## 20   5
## 34  10
## 48  15
## 62  20
## 76  25
## 7    3
## 21   5
## 35  10
## 49  15
## 63  20
## 77  25
## 8    3
## 22   5
## 36  10
## 50  15
## 64  20
```

```
## 78  25
## 9    3
## 23   5
## 37  10
## 51  15
## 65  20
## 79  25
## 10   3
## 24   5
## 38  10
## 52  15
## 66  20
## 80  25
## 11   3
## 25   5
## 39  10
## 53  15
## 67  20
## 81  25
## 12   3
## 26   5
## 40  10
## 54  15
## 68  20
## 82  25
## 13   3
## 27   5
## 41  10
## 55  15
## 69  20
## 83  25
## 14   3
## 28   5
## 42  10
## 56  15
## 70  20
## 84  25
```

```
str(Loblolly[2])
```

```
## Classes 'nfnGroupedData', 'nfGroupedData', 'groupedData' and 'data.frame':   84 obs. of  1 variable:
##  $ age: num  3 5 10 15 20 25 3 5 10 15 ...
```

Problem #03 - Chapter 18 Exercise #05a

```
# Show your work here
sub_list<-subset(x=Loblolly,Loblolly$age>0 & Loblolly$height>55)
sub_list$age
```

```
##  [1] 25 25 20 25 25 25 25 25 25 25 25 25 25 25 25
```

```
str(sub_list$age)
```

```
##  num [1:15] 25 25 20 25 25 25 25 25 25 25 ...
```

Problem #04 - Chapter 20 Exercise #01

```
# Show your work here
squarer<-function(x){
  return(x^2)
}

test_list<-4:12
squarer(test_list)
```

```
## [1]  16  25  36  49  64  81 100 121 144
```