Assignment_0.R

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```
#1 How long you have spent in college
((2019-2018)/(2019-1999))*100
```

```
## [1] 5
```

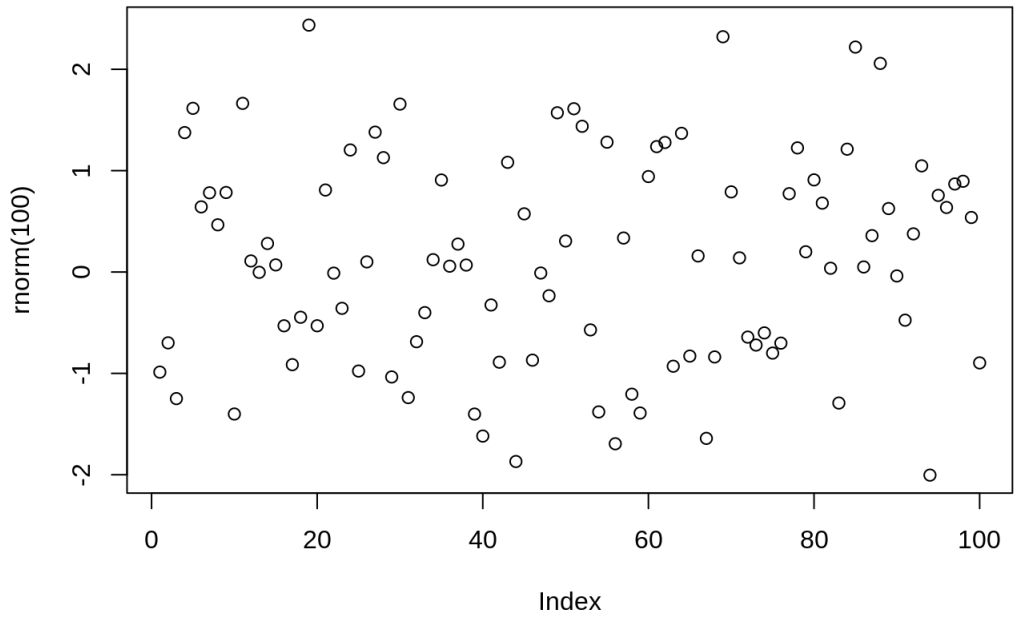
```
#2
a = ((2019-2018)/(2019-1999))*100
a
```

```
## [1] 5
```

```
#3 Adding Numbers
sum(4,5,8,11)
```

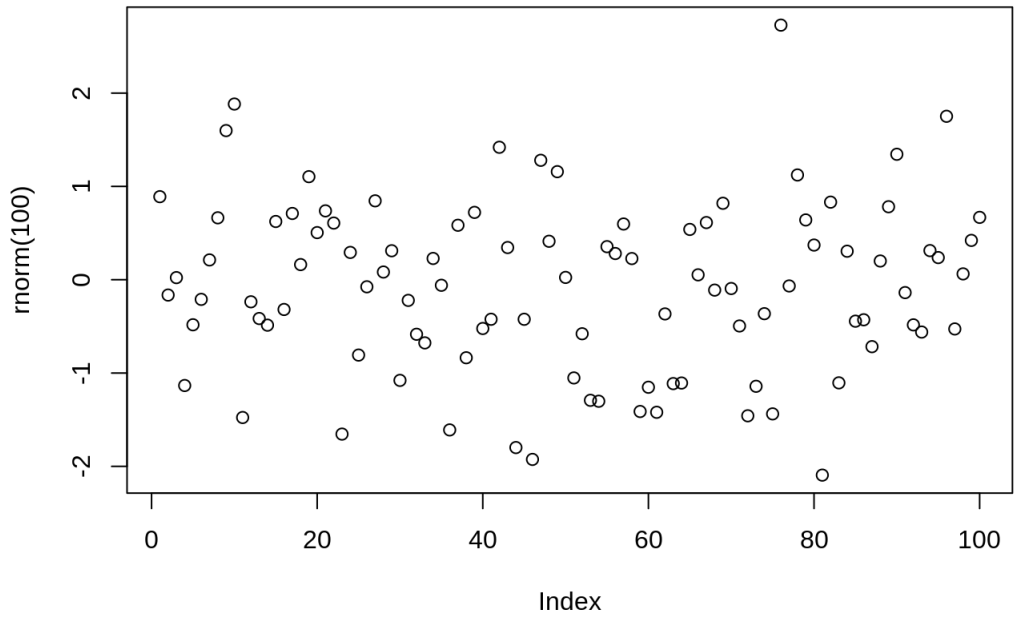
```
## [1] 28
```

```
#4 First Plot with Random Numbers
plot(rnorm(100))
```




```
#5 help pages
help(sqrt)

#6 making a script Containing a random plot
plot(rnorm(100))
```



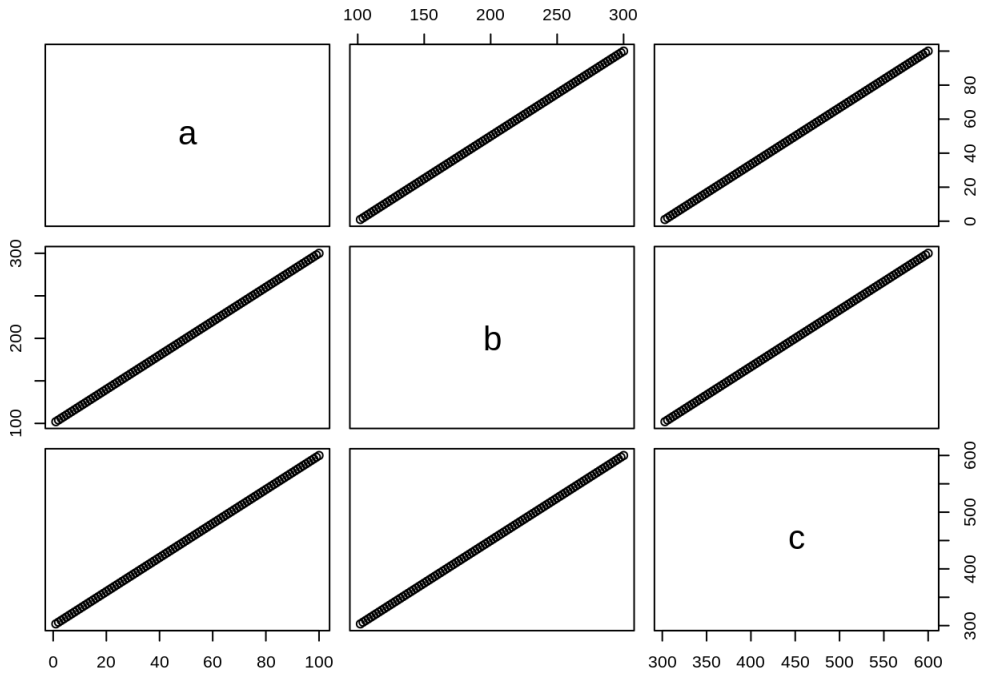

```
#7 making charts with rows and coloum using the sequince command
P = seq(from=31, to=60, by=1)
Q= matrix(P,ncol = 5, nrow = 6)
P
```

```
##  [1] 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53
## [24] 54 55 56 57 58 59 60
```

```
Q
```

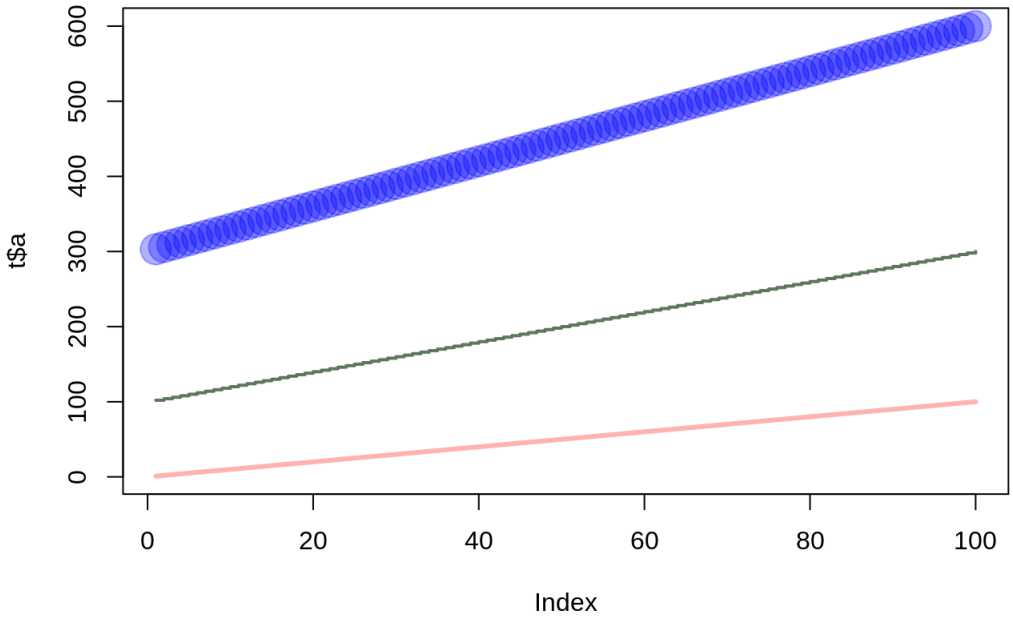
```
##      [,1] [,2] [,3] [,4] [,5]
## [1,]   31   37   43   49   55
## [2,]   32   38   44   50   56
## [3,]   33   39   45   51   57
## [4,]   34   40   46   52   58
## [5,]   35   41   47   53   59
## [6,]   36   42   48   54   60
```

```
#8 graphing data and assigning them the letters A , B , C all going up by one
x1 = seq(from=1, to=100, by=1)
x2 = seq(from=101, to=200, by=1)
x3 = seq(from=201, to=300, by=1)
t = data.frame(a=x1,b=x1+x2,c=x1+x2+x3)
plot(t)
```




```
#plot(sd(t)) : Double error was given

#9 Taking the prevous script and adding some color and direction to it also showing color according to the g
iven intesities
#RGB(Red Green Blue)
x1 = seq(from=1, to=100, by=1)
x2 = seq(from=101, to=200, by=1)
x3 = seq(from=201, to=300, by=1)
t = data.frame(a=x1,b=x1+x2,c=x1+x2+x3)
plot(t$a, type="l", ylim=range(t),lwd=3, col=rgb(1,0,0,0.3))
lines(t$b, type="s", lwd=2,col=rgb(0.3,0.4,0.3,0.9))
points(t$c, pch=20, cex=4,col=rgb(0,0,1,0.3))
```



```r
#10 declaring varables and adding file and reading it and then multplying
d = data.frame(g = c(3,4,5))
write.table(d, file="tst1.txt",row.names=FALSE)
d$g = d$g*5
write.table(d, file="tst2.txt",row.names=FALSE)

#11 Computing the mean of a square root and getting an error
sqrt(mean(rnorm(100)))
```

```
## [1] 0.1711073
```

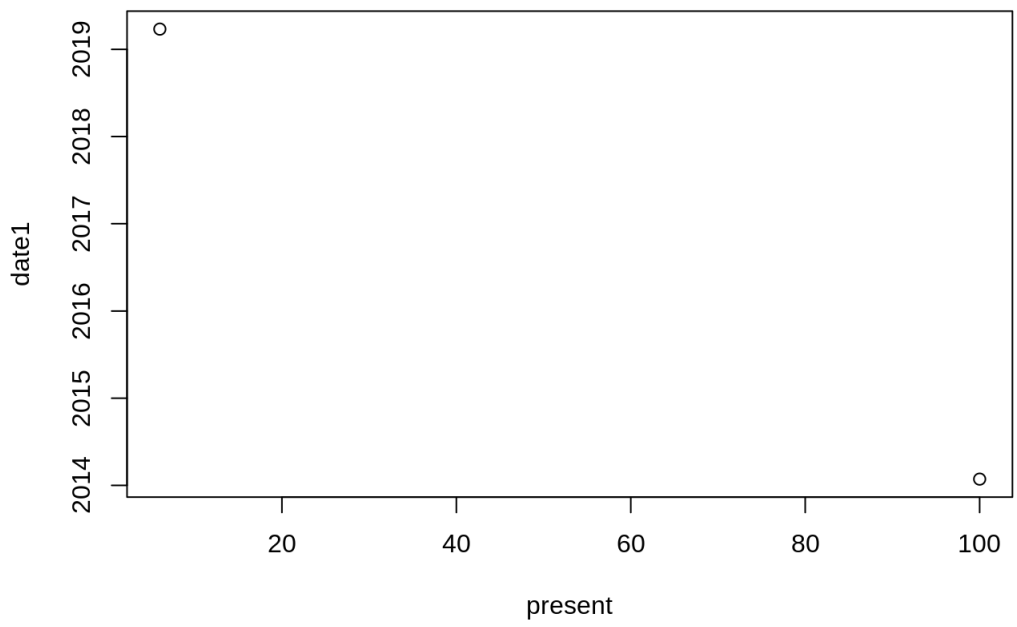
```r
#12 the date til your birthday based on you birthday.
date1=strptime( c("20140127","20190327"),format="%Y%m%d")
present=c(100,6)
date1
```

```
## [1] "2014-01-27 PST" "2019-03-27 PDT"
```

```r
present
```

```
## [1] 100   6
```

```r
plot(present,date1)
```



```
#13 making a loop
vector=seq(from=1, to=100, by=1)
y=c()
for(x in 1:100)
{
  if(vector[x]<5)
  {
    y[x]=vector[x]*5;
  }
  else if(vector[x]>90)
  {
    y[x]=vector[x]*10;
  }
  else
  {
    y[x]=vector[x]*0.1;
  }
}
y
```

```
##   [1]    5.0   10.0   15.0   20.0    0.5    0.6    0.7    0.8    0.9    1.0
##  [11]    1.1    1.2    1.3    1.4    1.5    1.6    1.7    1.8    1.9    2.0
##  [21]    2.1    2.2    2.3    2.4    2.5    2.6    2.7    2.8    2.9    3.0
##  [31]    3.1    3.2    3.3    3.4    3.5    3.6    3.7    3.8    3.9    4.0
##  [41]    4.1    4.2    4.3    4.4    4.5    4.6    4.7    4.8    4.9    5.0
##  [51]    5.1    5.2    5.3    5.4    5.5    5.6    5.7    5.8    5.9    6.0
##  [61]    6.1    6.2    6.3    6.4    6.5    6.6    6.7    6.8    6.9    7.0
##  [71]    7.1    7.2    7.3    7.4    7.5    7.6    7.7    7.8    7.9    8.0
##  [81]    8.1    8.2    8.3    8.4    8.5    8.6    8.7    8.8    8.9    9.0
##  [91]  910.0  920.0  930.0  940.0  950.0  960.0  970.0  980.0  990.0 1000.0
```

```
#14

example = function(arg1,arg2)
{
 vector[x]=arg1[x];
  for(x in lenght(vector))
  {

  }

}
```