#冯婷婷

1

```
> sequence(c(6,9))
 [1] 1 2 3 4 5 6 1 2 3 4 5 6 7 8 9
```

2

```
> v1=50
> v2=30
> lucheng=2*v1+2*v2
> lucheng
[1] 160

> x=15
> y=144
> num=x*y+40
> num
[1] 2200

> x=15
> y=24
> z=18
> t=x*y/z
> t
[1] 20

> x=15
> y=24
> z=20
> y*20/x>=30
[1] TRUE
```

3

```
> name = c("zhangsan","lisi","wangwu")
> gender = c("male","female","male")
> score = c(88,90,75)
> df=data.frame(name,gender,score)
> df$score = as.character(df$score)
```

	name	gender	score
1	zhangsan	male	88
2	lisi	female	90
3	wangwu	male	75

#刘京明

```
> #1
> a=seq(1,100,2)
> b=seq(2,100,2)
> matrix(c(a,b),2,50,byrow = TRUE)
 [,1] [,2] [,3] [,4] [,5] [,6] [,7] [,8] [,9] [,10] [,11] [,12] [,13] [,14] [,15] [,16] [,
17] [,18] [,19] [,20] [,21] [,22] [,23] [,24] [,25]
[1,]    1    3    5    7    9   11   13   15   17    19    21    23    25    27    29    31    33
    35   37   39   41   43   45   47   49
[2,]    2    4    6    8   10   12   14   16   18    20    22    24    26    28    30    32    3
4    36   38   40   42   44   46   48   50
    [,26] [,27] [,28] [,29] [,30] [,31] [,32] [,33] [,34] [,35] [,36] [,37] [,38] [,39]
[,40] [,41] [,42] [,43] [,44] [,45] [,46] [,47] [,48] [,49]
[1,]    51   53   55   57   59   61   63   65   67   69   71   73   75   77   79
  81   83   85   87   89   91   93   95   97
[2,]    52   54   56   58   60   62   64   66   68   70   72   74   76   78   80
  82   84   86   88   90   92   94   96   98
    [,50]
[1,]   99
[2,]  100
> #2
> name = c("a","b","c","d")
> gender = c("F","M","M","F")
> score = c(90,91,89,92)
> df1 = data.frame(name,gender,score)
```

	name	gender	score
1	a	F	90
2	b	M	91
3	c	M	89
4	d	F	92

```
> name = c("x")
> gender = c("M")
> score = c(100)
> df2 = data.frame(name,gender,score)
```

	name	gender	score
1	x	M	100

```
> rbind(df1[1:2,],df2,df1[3:4,])
   name gender score
1     a      F    90
2     b      M    91
3     x      M   100
31    c      M    89
4     d      F    92
```

刘绍思

```
> name  = c("zhangsan","lisi","wangwu","xiaoming")
> math = c(98,95,85,78)
> chinese = c(90,88,85,75)
> df3 = data.frame(name,math,chinese)
> english = c(85,94,96,88)
> df4 = cbind(df3,english)
      name math chinese english
1 zhangsan   98      90      85
2     lisi   95      88      94
3   wangwu   85      85      96
4 xiaoming   78      75      88
> score = math+chinese+english
> df5 = data.frame(df3,score)

> df.math = df5[df5$math > 90,]
```

	name	math	chinese	english	score
1	zhangsan	98	90	85	273
2	lisi	95	88	94	277

```
> df.chinese = df5[df5$chinese > 90,]
```

	name	math	chinese	english	score
No data available in table					

```
> df.english = df5[df5$english > 90,]
```

	name	math	chinese	english	score
2	lisi	95	88	94	277
3	wangwu	85	85	96	266

#周娅

```
#1
> name = c("zhangsan","lisi","wangwu")
> age = c(18,19,18)
> score = c(89,90,100)
> df6 = data.frame(name,age,score)
> a = df6[df6$score >= 90,]
```

	name	age	score
2	lisi	19	90
3	wangwu	18	100

和年龄没有关系

#2

```
> name  = c("zhangsan","lisi","wangwu")
> math = c(78,89,100)
> chinese = c(98,87,90)
> df7 = data.frame(name,math,chinese)
```

	name	math	chinese
1	zhangsan	78	98
2	lisi	89	87
3	wangwu	100	90

```
> average1 = mean(math)
> average1
[1] 89
> average2 = mean(chinese)
> average2
[1] 91.66667
> score = math+chinese
> df8 = data.frame(df7,score)
```

	name	math	chinese	score
1	zhangsan	78	98	176
2	lisi	89	87	176
3	wangwu	100	90	190

#3

1、
```
> n = 5
> n <= 5
[1] TRUE
```

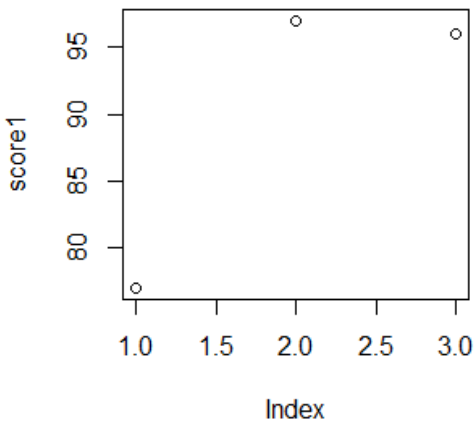
2、
```
> seq(1,100)
  [1]   1   2   3   4   5   6   7   8   9  10  11  12  13  14  15  16  17
  18  19  20  21  22  23  24  25  26  27  28
 [29]  29  30  31  32  33  34  35  36  37  38  39  40  41  42  43  44
45  46  47  48  49  50  51  52  53  54  55  56
 [57]  57  58  59  60  61  62  63  64  65  66  67  68  69  70  71  72
73  74  75  76  77  78  79  80  81  82  83  84
 [85]  85  86  87  88  89  90  91  92  93  94  95  96  97  98  99 100
> a = seq(1,100,2)
> a
 [1]  1  3  5  7  9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43
 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75
[39] 77 79 81 83 85 87 89 91 93 95 97 99
```

3、> is.vector(a)
[1] TRUE
4、> as.character(a)
 [1] "1" "3" "5" "7" "9" "11" "13" "15" "17" "19" "21" "23" "25
" "27" "29" "31" "33" "35" "37" "39" "41" "43" "45"
[24] "47" "49" "51" "53" "55" "57" "59" "61" "63" "65" "67" "69" "7
1" "73" "75" "77" "79" "81" "83" "85" "87" "89" "91"
[47] "93" "95" "97" "99"

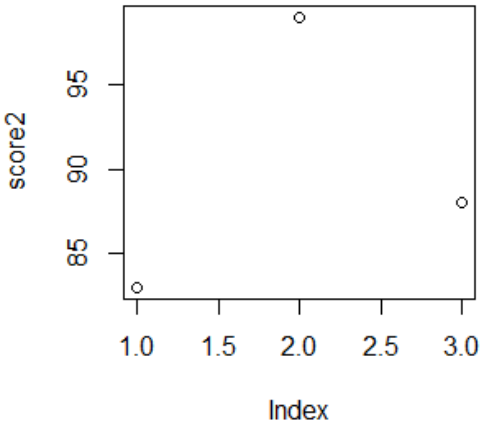
#刘诗佳

```
> score1 = c(77,97,96)
> score2 = c(83,99,88)
> score3 = c(90,89,91)

> mean1 = mean(score1)
> mean1
[1] 90

> mean2 = mean(score2)
> mean2
[1] 90

> mean3 = mean(score3)
> mean3
[1] 90
```

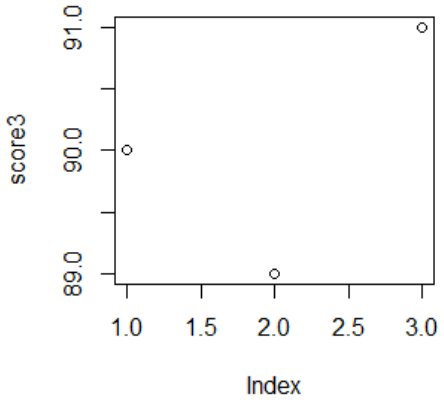
> plot(score1)



> plot(score2)



```
> plot(score3)
```



选柯南

#吴仪

```
#1
> name = c("zhangsan","lisi","wangwu","zhaoliu")
> score = c(68,55,93,81)
> age = c(18,18,19,18)
> gender = c("M","F","M","M")
> df9 = data.frame(name,score,age,gender)
> df9[3,2] = 77
> rownames(df9) <- c("第三名","第四名","第二名","第一名")
```

	name	score	age	gender
第一名	zhaoliu	81	18	M
第二名	wangwu	77	19	M
第三名	zhangsan	68	18	M
第四名	lisi	55	18	F

```
#2
> t = 1
> h = 5
> g = 2*h/t^2
> g
[1] 10
#3
> a = matrix(5:10,2,3)
> a[2,3] = 8
> a
     [,1] [,2] [,3]
[1,]    5    7    9
[2,]    6    8    8
> rm(a)
```

#吴珂

```
> x=2
> y=5
> x<z&z<y

> z>=3
[1] TRUE
```

小刚

```
> x = 10
> y = 100
> z = 50
> meal = x*y*z
> meal
[1] 50000
```

#吴霞芬

```
> x = y+9
> x*y <- 792
> x
> y
>
> x+y = 138
> y = 2*x-7
> x
> y

> rep("a",20)
 [1] "a" "a" "a" "a" "a" "a" "a" "a" "a" "a" "a" "a" "a" "a" "a" "a"
"a" "a" "a" "a" "a"
```

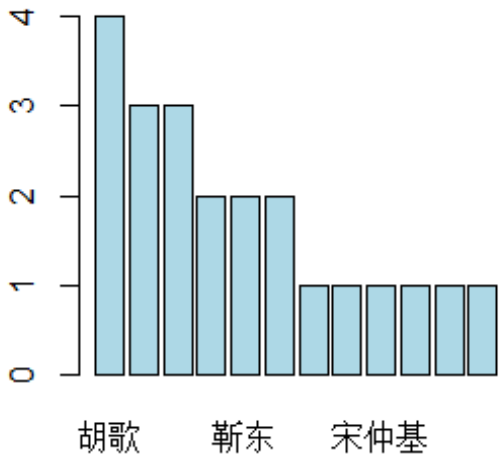
#向凌君

```
> name = c("SunYang","Phelps","Horton")
> ranking = c("champion","secong winner","loser")
> swimming_scores_in_Olympic = data.frame(name,ranking)
> nationality = c("China","US","Stupid Austrilia")
> swimming_scores_in_Olympic1 = data.frame(swimming_scores_in_O
lympic,nationality)
```

	name	ranking	nationality
1	SunYang	champion	China
2	Phelps	secong winner	US
3	Horton	loser	Stupid Austrilia

#卜紫乔

```
> movie_star = read.table(file = "movie_star.txt")
> a = sort(table(movie_star$V2),decreasing = TRUE)
> a

  胡歌   刘涛   王凯 霍建华   靳东 刘诗诗   蒋欣 宋慧乔 宋仲基   孙俪 赵丽颖   郑恺
    4      3      3      2      2      2      1      1      1      1      1      1
> a[1:3]

胡歌 刘涛 王凯
   4    3    3
> barplot(a,col = "light blue")
```




```
> max = max(a)
> min = min(a)
> mean = mean(a)
> median = median(a)
> title = c("max","min","mean","median")
> content = c(max,min,mean,median)
> fourm = data.frame(title,content)
```

	title	content
1	max	4.000000
2	min	1.000000
3	mean	1.833333
4	median	1.500000

```
> 3:37
 [1]  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
  26 27 28 29 30 31 32 33 34 35 36 37
> seq(3,37)
 [1]  3  4  5  6  7  8  9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
  26 27 28 29 30 31 32 33 34 35 36 37

> as.character(seq(3,37))
  [1] "3"  "4"  "5"  "6"  "7"  "8"  "9"  "10" "11" "12" "13" "14" "15" "16"
   "17" "18" "19" "20" "21" "22" "23" "24" "25"
  [24] "26" "27" "28" "29" "30" "31" "32" "33" "34" "35" "36" "37"

> x = 3:37
> y = x[x>20]
> y
 [1] 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37

> sum(y)
[1] 493
```