#1

> names1=c("sunyang","dingning","fuyuanhui","zhangjike","wuminxia","duli","yeshiwen")

> get\_mmm = function(ns)

+ {

+ lens = nchar(ns);

+ name\_min = min(lens);

+ name\_max = max(lens);

+ name\_median = median(lens);

+ name\_mean = mean(lens);

+ re = c(name\_min,name\_max,name\_median,name\_mean);

+ return(re);

+ }

> result=get\_mmm(names1)

> nchar(names1)

[1] 7 8 9 9 8 4 8

> max1=c(names1[3],names1[4])

> min1=names1[6]

> median1=c(names1[2],names1[5],names1[7])

> max1

[1] "fuyuanhui" "zhangjike"

> min1

[1] "duli"

> median1

[1] "dingning" "wuminxia" "yeshiwen"

#2

a1=c(235,255,266)

> a2=c(300,349,377)

> b1=a1/3;b2=a2/4

> b1

[1] 78.33333 85.00000 88.66667

> b2

[1] 75.00 87.25 94.25

#3

> c1=c(78,88,75,90,70)

> c1[1];c1[3];c1[5]

[1] 78

[1] 75

[1] 70

#4

changci=c(1,2,3)

number=c(4,5,6)

duiyuan=c("xiaohong,xiaoqing,xiaozi,xiaolv","xiaolv,xiaohuang,xiaohong,xiaocheng,xiaoqing","xiaolan,xiaocheng.xiaozi,xiaoqing,xiaolv,xiaohuang")

d.f4=data.frame(changci,number,duiyuan)

name1=c("xiaohong","xiaoqing","xiaozi","xiaolv")

all1=c(9+8+8+7+8,8+8+6+4,6+7+6+7+8+3,5+6+9+6)

score1=c(8,(8+6)/2,(all1[3]-8-3)/4,6)

d.f1=data.frame(name1,all1,score1)

name2=c("xiaolv","xiaohuang","xiaohong","xiaocheng","xiaoqing")

all2=c(8+6+7+8+5+9,9+8+6+6,10+8+9+8,8+7+8+9,6+8+2+5+5+8)

score2=c((all2[1]-9-5)/4,(8+6)/2,(8+9)/2,8,(all2[5]-8-2)/4)

d.f2=data.frame(name2,all2,score2)

name3=c("xiaolan","xiaocheng","xiaozi","xiaoqing","xiaolv","xiaohuang")

all3=c(3+8+6+3+8+8,8+9+10+7,8+5+6+8+9+6,7+2,3+7,7+7+10)

score3=c((all3[1]-8-3)/4,(8+9)/2,(all3[3]-9-5)/4,all3[4]/2,all3[5]/2,7)

d.f3=data.frame(name3,all3,score3)

团队总共有7人

根据每人每场表现，排出每一场得分靠前的选手，第一场派小红小青小紫，第二场派小红小橙小绿，小橙小紫小黄小蓝

#5

day=c("Wed","Thu","Fri","Sat","Sun")

> tem=c((26+33)/2,(27+34)/2,(25+32)/2,(25+32)/2,(23+29)/2)

> tem

[1] 29.5 30.5 28.5 28.5 26.0

> tem[3]=(26+32)/2

> tem

[1] 29.5 30.5 29.0 28.5 26.0

max(tem)

[1] 30.5

> min(tem)

[1] 26

#6

user.data=data.frame(day,tem)

> View(user.data)

> for(i in 1:length(day))

+ {

+ if(tem[i]>30)

+ {

+ print(day[i])

+ }

+ }

[1] "Thu"

day=c(day,"Mon");tem=c(tem,(22+31)/2)

user.data=data.frame(day,tem)

#7

v1=3;v2=4;v3=10;s=500

t=s/(v1+v2)

s1=v3\*t

s1

[1] 714.2857

#8

seq(3,31,7)

[1] 3 10 17 24 31

> rep(7,10)

[1] 7 7 7 7 7 7 7 7 7 7

a1=seq(3,31,7)

> a2=rep(7,10)

> ls()

[1] "a1" "a2"

bigdata=30

rm(bigdata)

#9

> name=c("zhangsan","lisi","wangwu","sunliu")

> score=c(77,50,92,100)

df=data.frame(name,score)

> for(i in 1:4)

+ {

+ if(score[i]>90)

+ {

+ print(name[i])

+ }

+ }

[1] "wangwu"

[1] "sunliu"

#10

weight=c(55,66,77,88)

df=data.frame(cbind(df,weight))

df1=data.frame(name="xiaohong",score=86,weight=44)

df=data.frame(rbind(df,df1))

#11

> numeric="80"

> is.character(numeric)

[1] TRUE

> numeric=as.numeric(numeric)

> is.numeric(numeric)

[1] TRUE

> numeric>90

[1] FALSE

#12

q1=5;girl=3;boy=2;apple1=4;orrange1=2;apple2=3;orrange2=3

apple=q1\*girl\*apple2+q1\*boy\*apple1

orrange=q1\*girl\*orrange2+q1\*boy\*orrange1

price1=2;price2=1.5

all=apple\*price1+orrange\*price2

cha=apple\*price1\*0.8+orrange\*price2\*1.2-all

> apple

[1] 85

> orrang

[1]65

> all

[1] 267.5

> cha

[1] -14.5

#13

name=c("xiaoming","xiaohong","xiaohua","xiaoli")

sex=c("boy","girl","boy","girl")

age=c(18,19,18,19)

df=data.frame(name,sex,age)

grade=c(90,92,87,86)

df=data.frame(cbind(df,grade))

df[2,3]=20

df[,4]=df[,4]-10

df[3,-4]

name sex age

3 xiaohua boy 18

#14

v1=seq(1,100,3)

v1[5:20]

for(i in 1:length(v1))

{

if(v1[i]>50)

{

print(v1[i])

}

}

#15

x=c(1:10)

y=x^2

data=data.frame(x,y)

data.1=data.frame(cbind(data,4:13))

#16

data.1[4,1]=40;data.1[2,2]=40;data.1[1,3]=40

#17

shop=c("Dior","Chanel","GUCCI","Prada","HERMES")

shouru=c(55,56,35,89,12)

Luxury=data.frame(shop,shouru)

Luxury=data.frame(cbind(Luxury,lirun=c(30,25,26,50,5)))

df=data.frame(shop="Louis\_Vuitton",shouru=69,lirun=56)

Luxury=data.frame(rbind(Luxury,df))

#18

member=c("A","B","C","D","E")

score=c(16.30,16.22,15.45,17.01,15.55)

v=c(50,51,48,55,47)

grade=data.frame(member,score,v)

peisu=c(50\*2.5,51\*2.5,48\*2.5,55\*2.5,47\*2.5)/60

grade=data.frame(grade,peisu)

df=data.frame(member="X",score=1.14\*5,v=1.14\*60/2.5,peisu=1.14)

grade=data.frame(rbind(grade,df))

#19

ABCD

C

gold\_total=(207+22)\*2

#20

x=c(rep(1,3),rep(2,2),rep(3,5))

year=c(2010,2011,2012,2013)

sales=c(2000,3000,2500,3000)

sale.data=data.frame(year,sales)

sale.data[,1]=as.factor(year)

> matrix(1:12,4,3,byrow = TRUE)

[,1] [,2] [,3]

[1,] 1 2 3

[2,] 4 5 6

[3,] 7 8 9

[4,] 10 11 12

>