

邱咏梅第一次作业

#第一题

#1#

```
places=c("Beijing","Chengdu","Haerbin","Guangzhou")
```

```
tem=c(27,32,21,33)
```

```
p.tem=data.frame(places,tem)
```

```
attach(p.tem)
```

```
for(i in 1:4)
```

```
  if(tem[i]<=30)
```

```
  {
```

```
    print(places[i])
```

```
  }
```

```
[1] "Beijing"
```

```
[1] "Haerbin"
```

#2#

```
is.hot=p.tem$tem[p.tem$places=="Beijing"]>=25;is.hot
```

```
> is.hot=p.tem$tem[p.tem$places=="Beijing"]>=25;is.hot
```

```
[1] TRUE
```

#3#

```
m.tem=mean(tem);m.tem
```

```
> m.tem=mean(tem);m.tem
```

```
[1] 28.25
```

#第二题#

#1#

```
names=c("qym","sx","chh","cbl","cy","jxj","czz")
```

```
places=c("普吉岛","马尔代夫","苏州","扬州","九寨沟","西藏","香格里拉")
```

```
partners=c(5,6,7,8,9,2,3)
```

```
days=c(9,8,7,8,6,5,8)
```

```
basic.message=data.frame(names,places,partners,days)
```

	names	places	partners	days
1	qym	普吉岛	5	9
2	sx	马尔代夫	6	8
3	chh	苏州	7	7
4	cbl	扬州	8	8
5	cy	九寨沟	9	6
6	jxj	西藏	2	5
7	czz	香格里拉	3	8

#2#

```
chuguoyou=1
```

```
re.basic.message=cbind(basic.message,chuguoyou)
```

```
re.basic.message$chuguoyou[re.basic.message$places=="普吉岛"|re.basic.message$places=="
```

马尔代夫"]=2

	names	places	partners	days	chuguoyou
1	qym	普吉岛	5	9	2
2	sx	马尔代夫	6	8	2
3	chh	苏州	7	7	1
4	cbl	扬州	8	8	1
5	cy	九寨沟	9	6	1
6	jxj	西藏	2	5	1
7	czz	香格里拉	3	8	1

#3#

```
mean(re.basic.message$partners)
```

```
re.basic.message$names[re.basic.message$partners>=5.7&re.basic.message$days>8&re.basic.m  
essage$chuguoyou==1]
```

```
factor(0)
```

```
Levels: cbl chh cy czz jxj qym sx
```

#第三题#

#1#

```
name=c("a","b","c")
```

```
height=c(170,160,180)
```

```
n=data.frame(name,height)
```

```
max(n$height)
```

```
[1] 180
```

```
n$name[n$height==180]
```

```
[1] c
```

```
Levels: a b c
```

#2#

#第四题#

#1#

#2#

```
chengji=0
```

```
re.chengji=cbind(chengji,summary)
```

```
re.chengji$summary=chinese+maths+English
```

	name	chinese	maths	english	summary
1	xiaoming	93	98	95	286
2	xiaohong	83	99	89	271
3	xiaomei	87	90	94	271
4	xiaoli	89	92	88	269
5	xiaojun	78	96	90	264

#3#

```
n.re.chengji=rbind(c("xiaoying",85,95,95,275),re.chengji)
```