Homework 1

#1学习用Rstudio时的问题：有时会出现一个格式上细节的错误致使卡在那里很久。一开始不是太能看得懂help，觉得很不直观，不过通过多尝试也解决了很多问题。

#2使用R语言的优势：1 R语言是跨平台的 2 R语言有丰富的资源

R is an integrated suite of software facilities for data manipulation, calculation and graphical

display. Among other things it has

• an efective data handling and storage facility,

• a suite of operators for calculations on arrays, in particular matrices,

• a large, coherent, integrated collection of intermediate tools for data analysis,

R is an object-oriented language

#3 numeric

Amountofapples = c(6,8,19,34)

#4 as charcater

User\_ID = 9527

User\_ID = as.character(User\_ID)

mode(User\_ID)

#5 is adult

agexi = 17

if(agexi >= 18 )

{

print("adult");is\_adult = "adult";

}else

{

print("not an adult");is\_adult = "not an adult";

}

#6a

gro = 6

groeac =4

stu\_num = gro\*groeac

trees = 360

tree\_per = trees/stu\_num

a = tree\_per

#6b

speed = 18

carl = 18

tunnel = 324

tim = (carl+tunnel)/speed

b <- tim

#6c

zbird7 = 4515

sbird7 = 1155

c\_per =(zbird7-sbird7)/7

c = c\_per

#6d

slength = 12

swidth = 8

dS = (slength+2)\*(swidth+2)-slength\*swidth

d = dS

answer6 = c(a,b,c,d)

#7seq

result = seq(2,14,3)

#8 names and height

names = c("zhangshan","lisi","wangwu")

height = c(165,170,175)

#9dataframe

user.data = data.frame(names,height)

#10add xiaoming

names22 = c(names,"xiaoming")

height2 = c(height,180)

user.data = data.frame(names22,height2)

#11

for (i in 1:4)

if(height2[i] >= 170)

{

print(names22[i])

}

#12

weight = c(55,65,70,80)

cbind(user.data,weight)

newuser.data = cbind(user.data,weight)









