

Prelab1_Shu Zhou_19342932

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2020/9/9

R Markdown

This is the prelab1 of stat413 Author: Shu Zhou UMID: 19342932

##Arithmetic

```
# print 2^10
#####
print(2**10) ## 1024
#####
# print 28 mod 5
#####
print(28%5) ## 3
#####'
```

##Variable Assignment

```
##(a)
x<-2 ##Assign value of x and y
y<-5
sum(x,y) ##calculate the sum = 7
x+y
```

```
##(b)
x<-y ##Assign the value of x = y
sum(x,y) ## 10
```

```
##(c)
y<-8
x ## x=5 Changing the value of y does not affect the value of X, since it is pass by value not pass by reference
```

##Data Types in R

```
myAge <-22
myName <- "Shu"
myState <-FALSE
```

```
class (myAge)    ##"numeric"
class (myName)   ##"character"
class (myState)  ##"logical"
```

```
myApples <- 4
myOranges <- "two"
## myFruits <- myApples + myOranges
```

```
##Since "myOranges" is not numeric type, we cannot conduct arithmetic instructions between two differen

##Revised
myOranges <- 2
myFruits <- myApples + myOranges
myFruits ##6
```