Task 1.1 - input name and age

name = readline(prompt="Input your name: ")

age = readline(prompt="Input your age: ")

print(paste("My name is",name, "and I am",age ,"years old."))

print(R.version.string)

Task 1.2 - objects in memory

name = "Python";

n1 = 10;

n2 = 0.5

nums = c(10, 20, 30, 40, 50, 60)

print(ls())

print("Details of the objects in memory:")

print(ls.str())

Task 1.3 - sequence

print("Sequence of numbers from 20 to 50:")

print(seq(20,50))

print("Mean of numbers from 20 to 60:")

print(mean(20:60))

print("Sum of numbers from 51 to 91:")

print(sum(51:91))

Task 1.4 - vector \* not sure about this

rep(-50:0,length.out=10)

rep(0:50,length.out=10)

# cannot mix positive and negative integers

Task 2.1 - 3x5 matrix + plot

a<-c(1,2,3,6,7)

b<-c(4,5,6,9,10)

c<-c(7,8,9,12,14)

m<-cbind(a,b,c)

m = matrix(nrow=5, ncol=3)

print("Content of the said matrix:")

print(m)

Task 2.2 - employees

Employees = data.frame(Name=c("Anastasia S","Mary R","Sean S", "Jack A","Paula M"),

Gender=c("M","M","F","F","M"),

Age=c(23,22,25,26,32),

Designation=c("Clerk","Manager","Executive","CEO","Assistant"),

SSN=c("123-34-2346","123-44-779","556-24-433","123-98-987","679-77-576")

)

print("Details of the employees:")

print(Employees)

Task 2.3 - incomplete \*GGplot not working

Task 2.4 - simple bar of 5 subjects

marks = c(70, 95, 80, 74)

barplot(marks,

main = "Comparing marks of 5 subjects",

xlab = "Marks",

ylab = "Subject",

names.arg = c("English", "Science", "Math.", "Hist."),

col = "darkred",

horiz = FALSE)

Challenge one - first 10 fibonacci numbers

Fibonacci <- numeric(10)

Fibonacci[1] <- Fibonacci[2] <- 1

for (i in 3:10) Fibonacci[i] <- Fibonacci[i - 2] + Fibonacci[i - 1]

print("First 10 Fibonacci numbers:")

print(Fibonacci)