BIG DATA AND ANALYTICS LAB (BCSE0183)

Lab Assignment- 02

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Sec- B (62)

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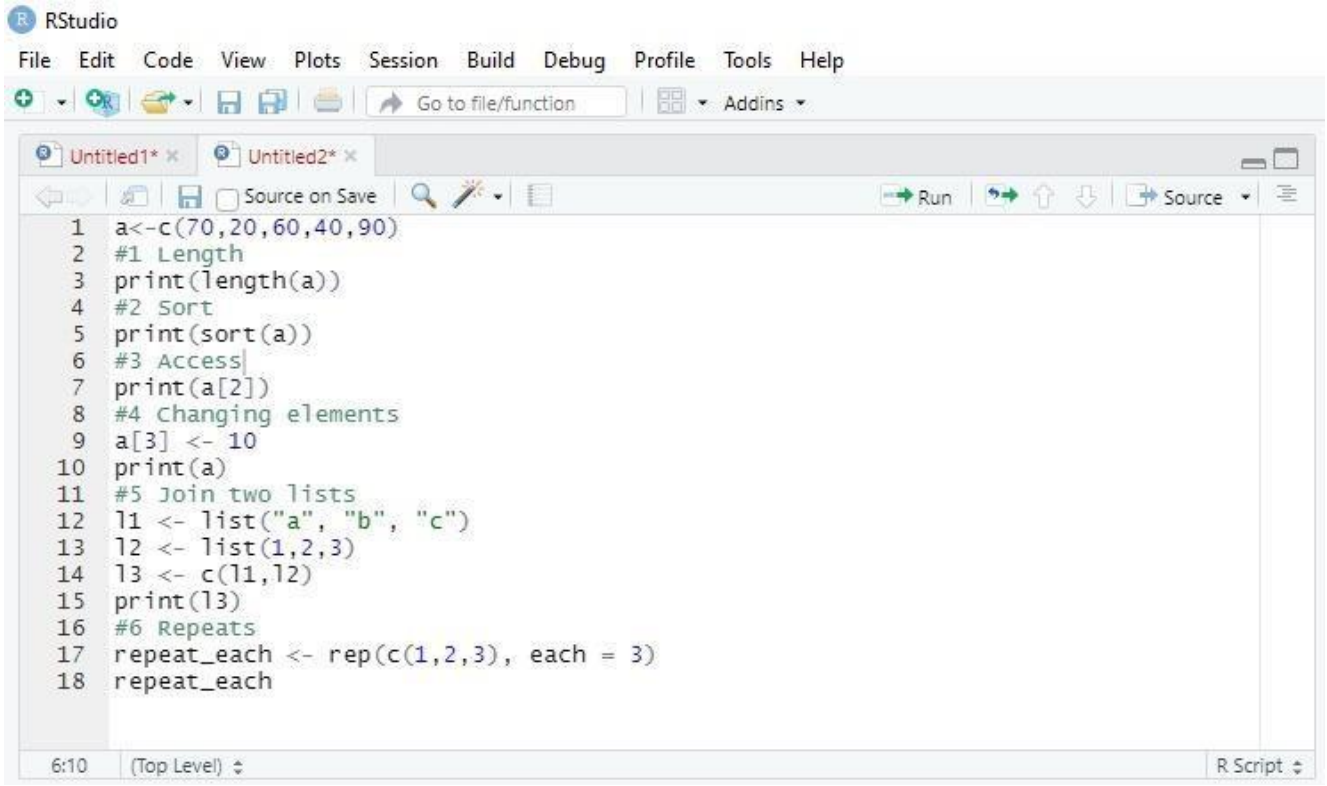
Decision Making, Selection & Looping Structures using R Programming Language :

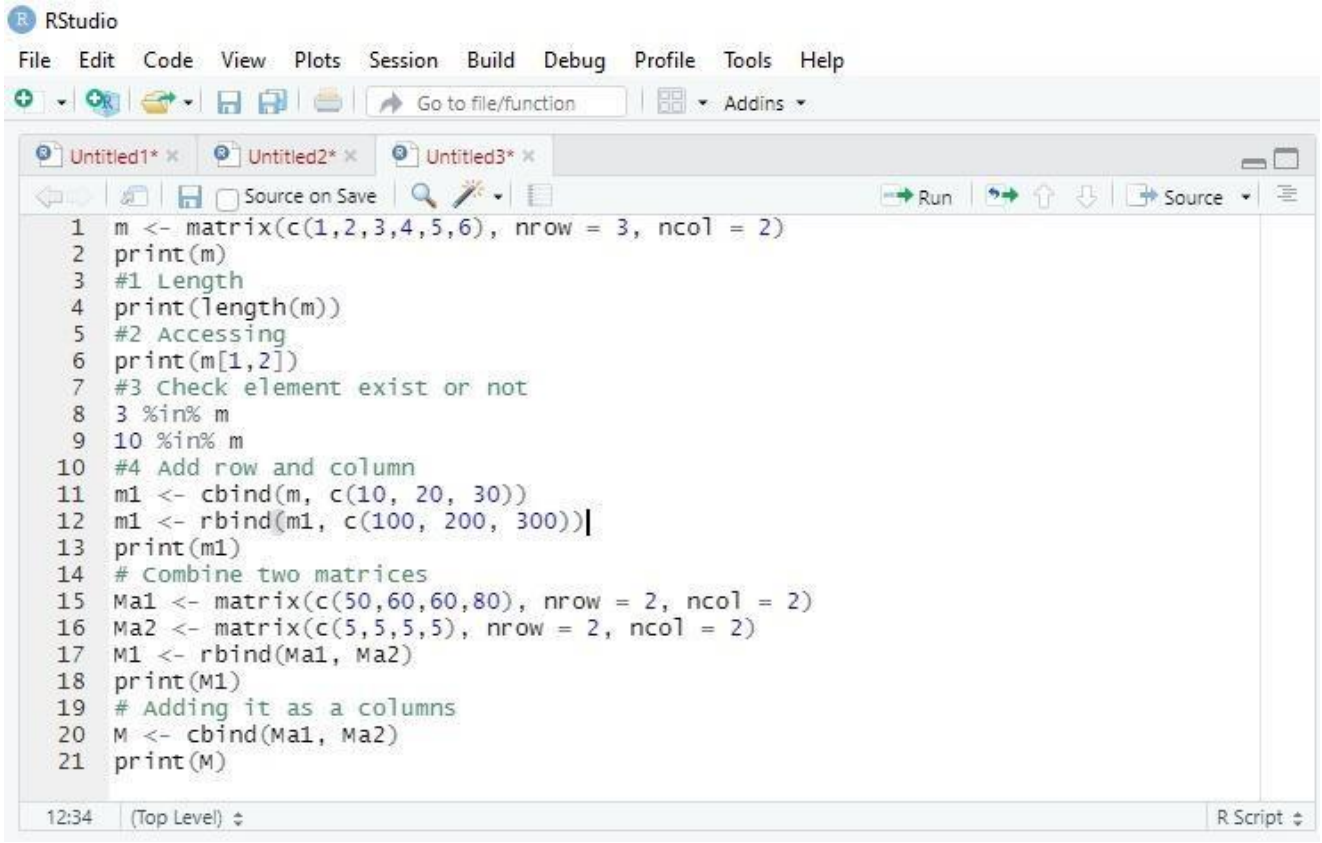
1) Write a R program to perform below operations on Data Structures like vector and list-

a) Determining the length of elements
b) Sorting the elements
c) Accessing the elements
d) Changing the element's value
e) Join the two lists
f) Repeat elements of vector



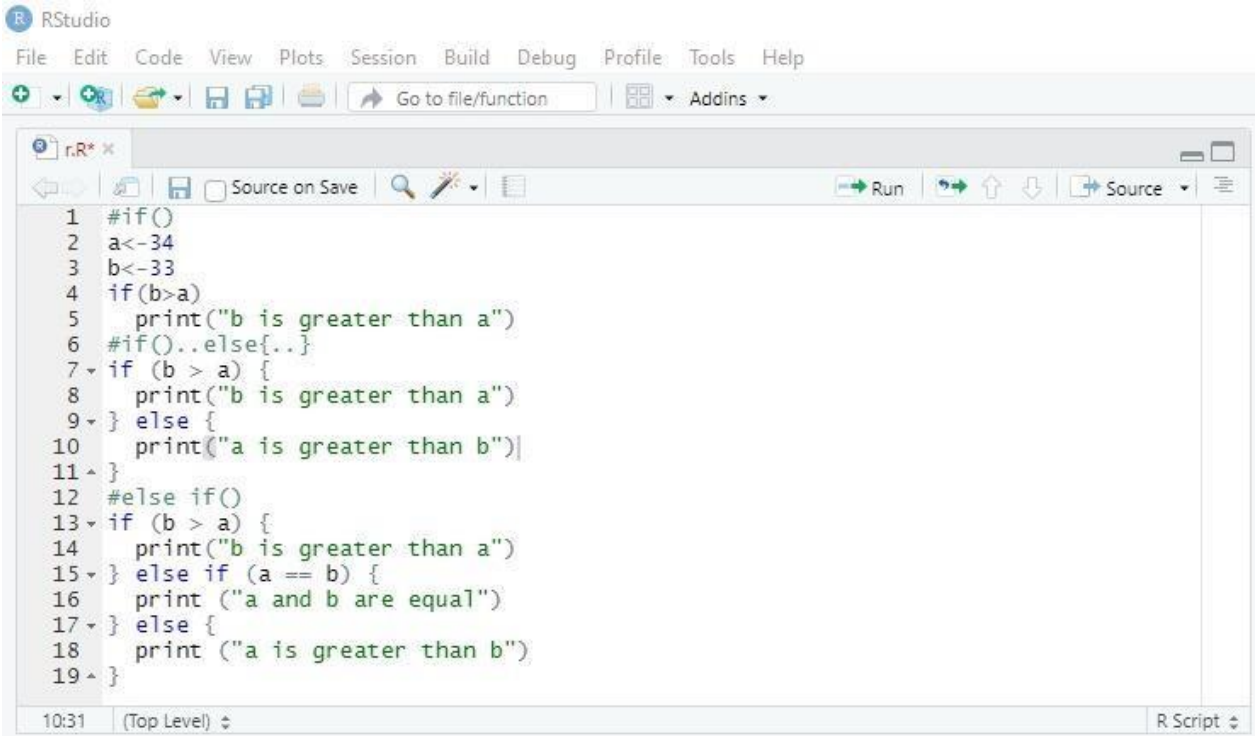
2) Write a R program to perform below operations on Data Structures like matrix and array-

a) Determining the length
b) Accessing the elements
c) Check element exists or not
d) Add row and column
e) Remove row and column
f) Combining the two matrices



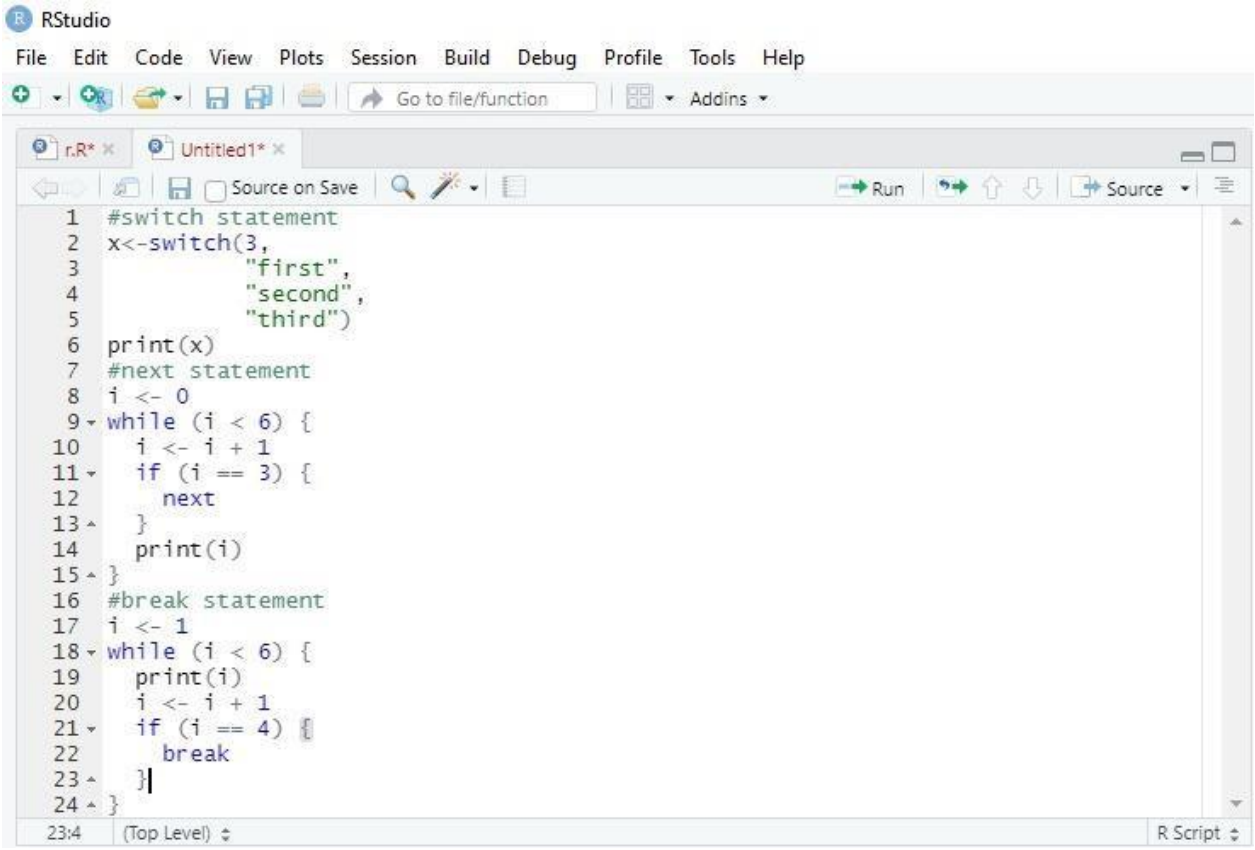
3) Create R Code for Condition Statements –

a) if ( )
b) if ( ) … else {...}
c) else if ( )



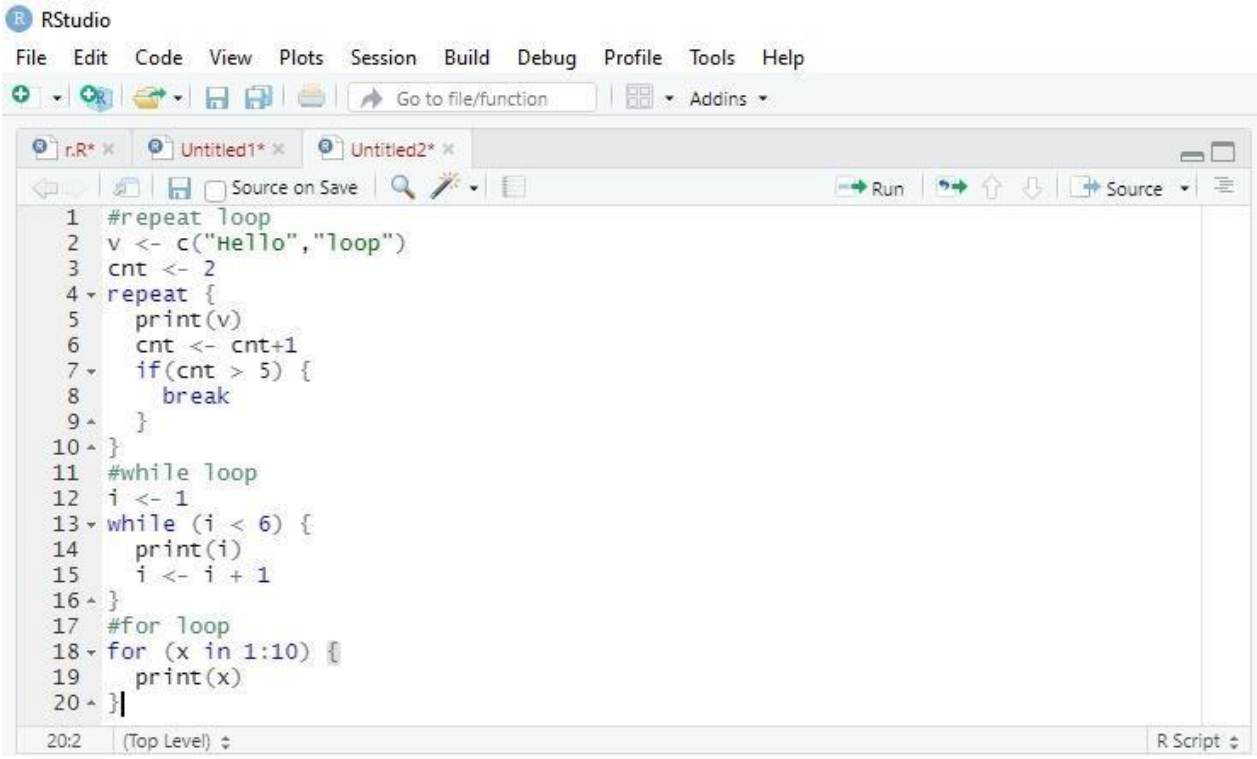
4) Create R Code for Selection Control Structures –

a) switch statement
b) next statement
c) break statement



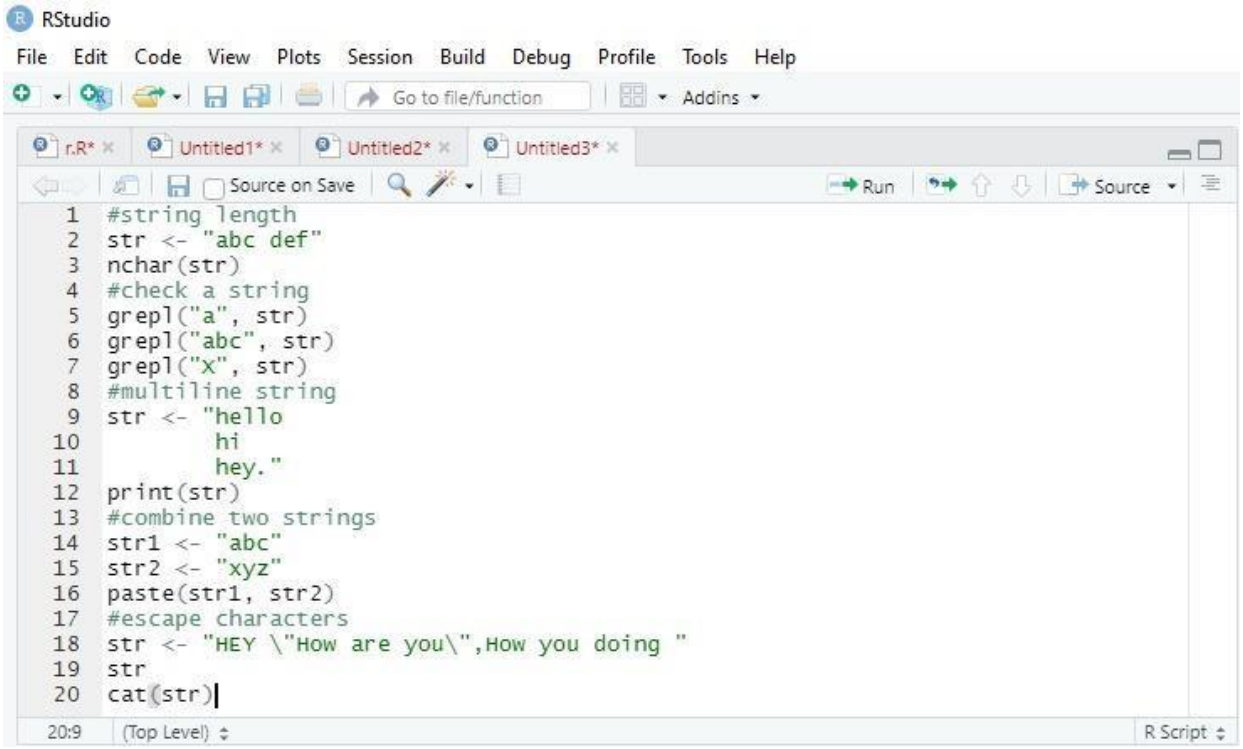
5) Create R Code for Looping Statements –

a) repeat Loop
b) while Loop
c) for Loop



6) Write a R program to perform below operations using String functions-

a) String Length
b) Check a String
c) Multiline Strings
d) Combine Two Strings
e) Escape Characters


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function
Addins
r.R*
Untitled1*
Untitled2*
Untitled3*
Source on Save
Run
Source
#string length
str <- "abc def"
nchar(str)
#check a string
grepl("a", str)
grepl("abc", str)
grepl("X", str)
#multiline string
str <- "hello
hi
hey."
print(str)
#combine two strings
str1 <- "abc"
str2 <- "xyz"
paste(str1, str2)
#escape characters
str <- "HEY \"How are you\",How you doing "
str
cat(str)
20:9
(Top Level)
R Script