ITA0448- R Programming

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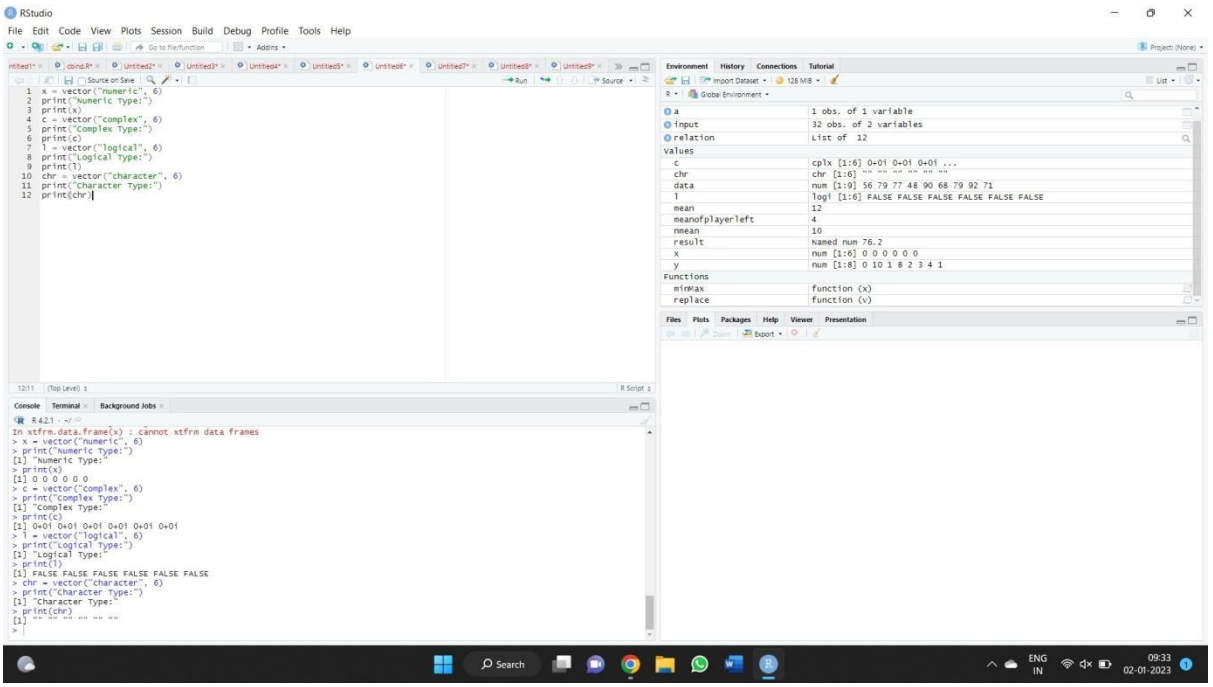
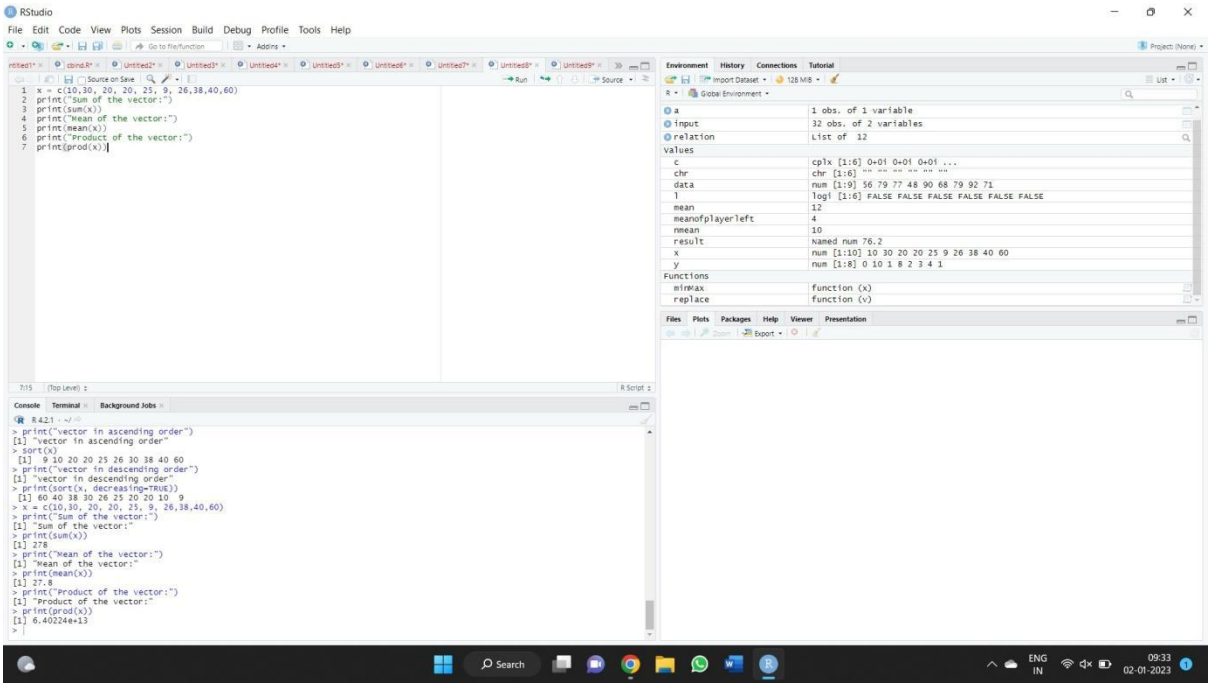
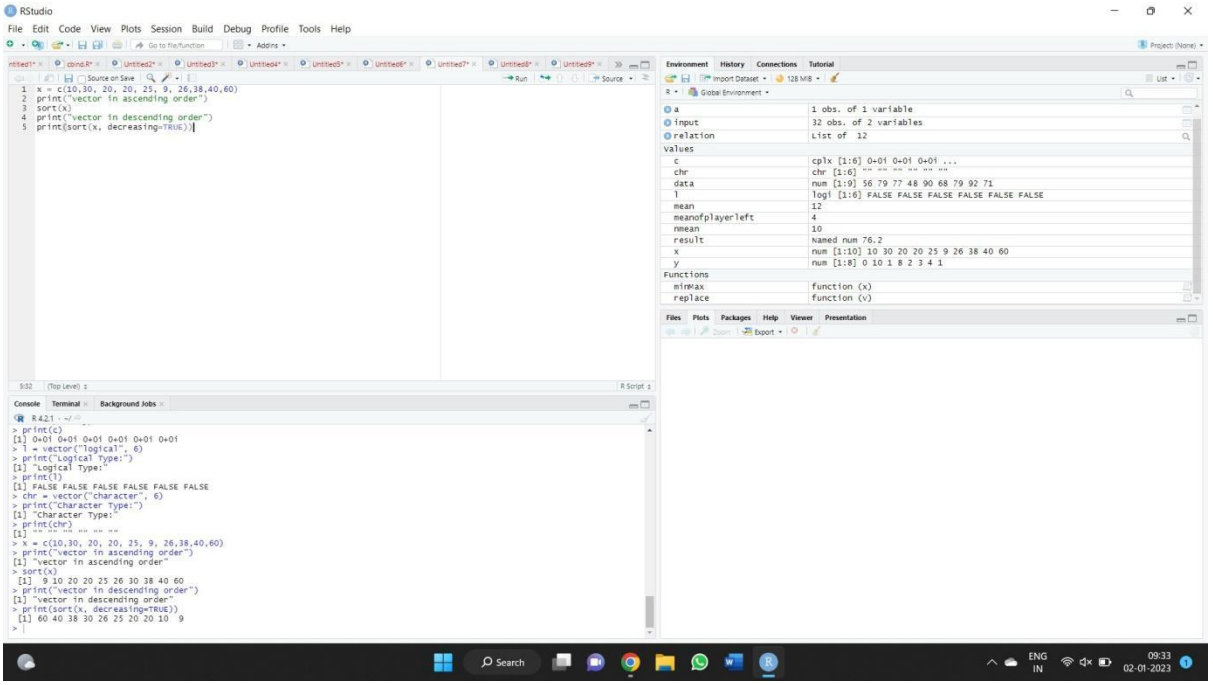
1.



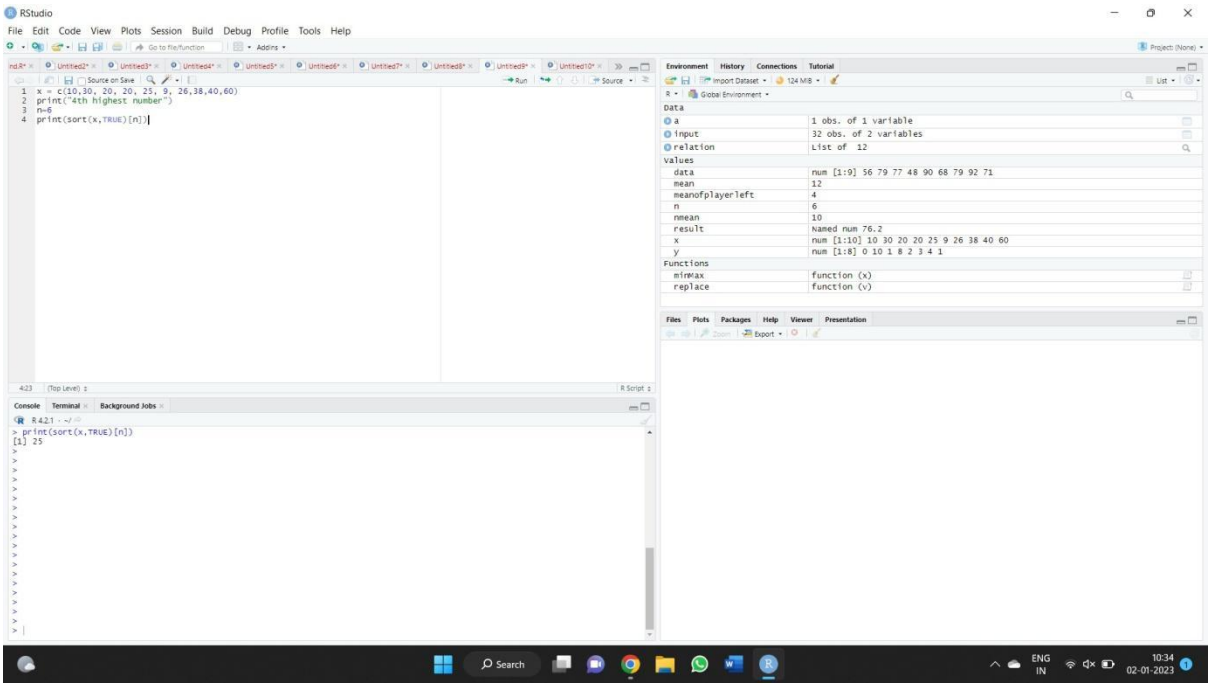
2.



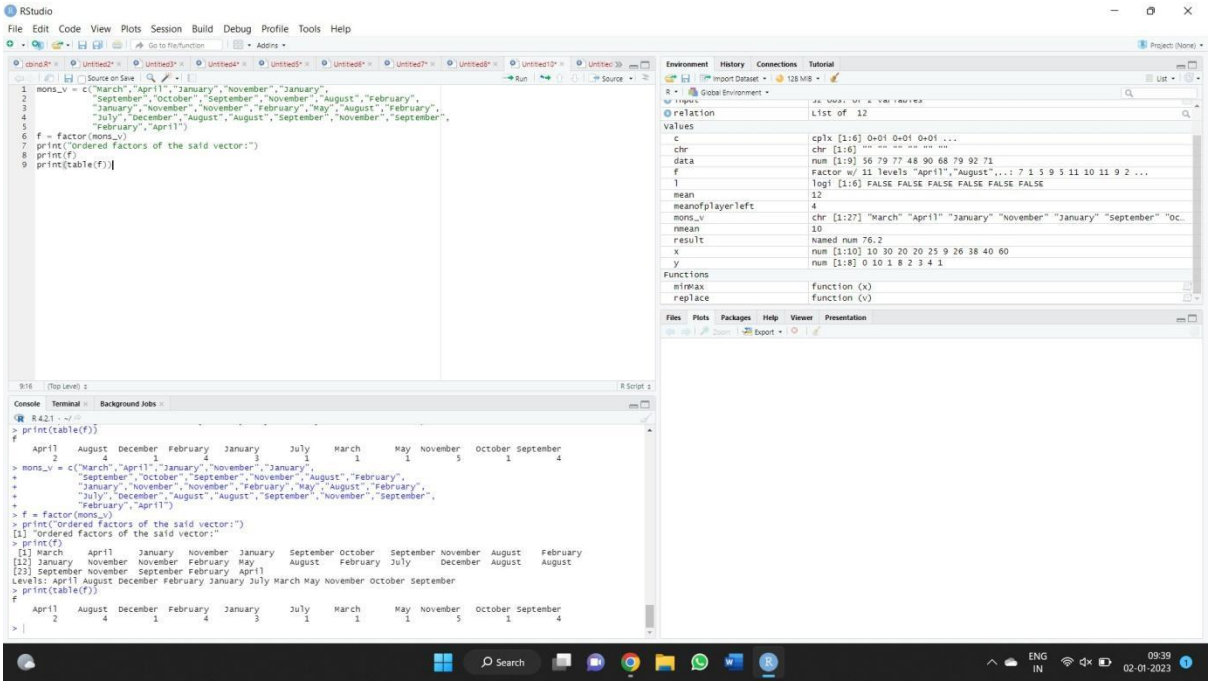
3.


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
x = c(10,30, 20, 20, 25, 9, 26,38,40,60)
print("vector in ascending order")
sort(x)
print("vector in descending order")
print(sort(x, decreasing=TRUE))
> print(c)
[1] 0+0i 0+0i 0+0i 0+0i 0+0i 0+0i
> l = vector("logical", 6)
> print("Logical Type:")
[1] "Logical Type:"
> print(l)
[1] FALSE FALSE FALSE FALSE FALSE FALSE
> chr = vector("character", 6)
> print("Character Type:")
[1] "Character Type:"
> print(chr)
> x = c(10,30, 20, 20, 25, 9, 26,38,40,60)
> print("vector in ascending order")
[1] "vector in ascending order"
> sort(x)
[1] 9 10 20 20 25 26 30 38 40 60
> print("vector in descending order")
[1] "vector in descending order"
> print(sort(x, decreasing=TRUE))
[1] 60 40 38 30 26 25 20 20 10 9

4.


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
x = c(10,30, 20, 20, 25, 9, 26,38,40,60)
print("4th highest number")
n=6
print(sort(x,TRUE)[n])
> print(sort(x,TRUE)[n])
[1] 25

5.


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
mons_v = c("March","April","January","November","January",
"September","October","September","November","August","February",
"January","November","November","February","May","August","February",
"July","December","August","August","September","November","September",
"February","April")
f = factor(mons_v)
print("ordered factors of the said vector:")
print(f)
print(table(f))
Environment History Connections Tutorial
relation List of 12
Values
c cplx [1:6] 0+0i 0+0i 0+0i ...
chr chr [1:6] "" "" "" "" "" ""
data num [1:9] 56 79 77 48 90 68 79 92 71
f Factor w/ 11 levels "April","August",...: 7 1 5 9 5 11 10 11 9 2 ...
l logi [1:6] FALSE FALSE FALSE FALSE FALSE FALSE
mean 12
meanofplayerleft 4
mons_v chr [1:27] "March" "April" "January" "November" "January" "September" "Oc...
nmean 10
result Named num 76.2
x num [1:10] 10 30 20 20 25 9 26 38 40 60
y num [1:8] 0 10 1 8 2 3 4 1
Functions
minMax function (x)
replace function (v)
Files Plots Packages Help Viewer Presentation
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R 4.2.1 · ~/
> print(table(f))
f
April August December February January July March May November October September
2 4 1 4 3 1 1 1 5 1 4
> mons_v = c("March","April","January","November","January",
+ "September","October","September","November","August","February",
+ "January","November","November","February","May","August","February",
+ "July","December","August","August","September","November","September",
+ "February","April")
> f = factor(mons_v)
> print("ordered factors of the said vector:")
[1] "ordered factors of the said vector:"
> print(f)
[1] March April January November January September October September November August February
[12] January November November February May August February July December August August
[23] September November September February April
Levels: April August December February January July March May November October September
> print(table(f))
f
April August December February January July March May November October September
2 4 1 4 3 1 1 1 5 1 4
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