20/03/2023 **S. Dhanush kumar**

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R programming

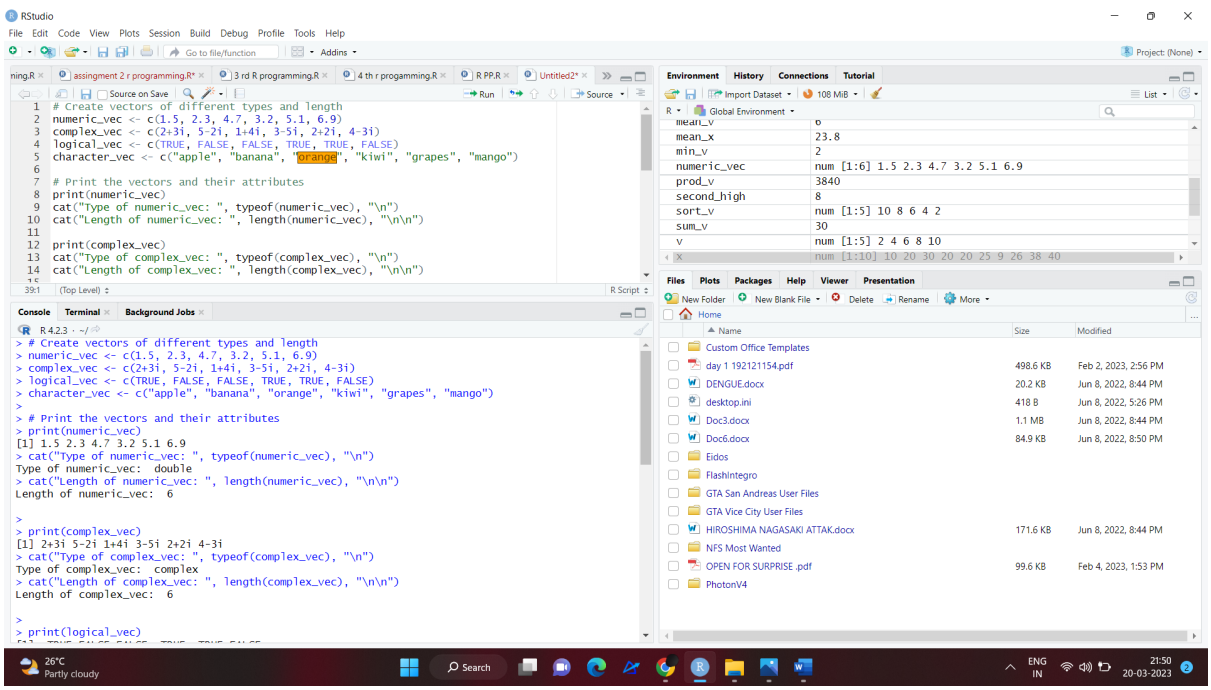
Assessment 1 - SET 1

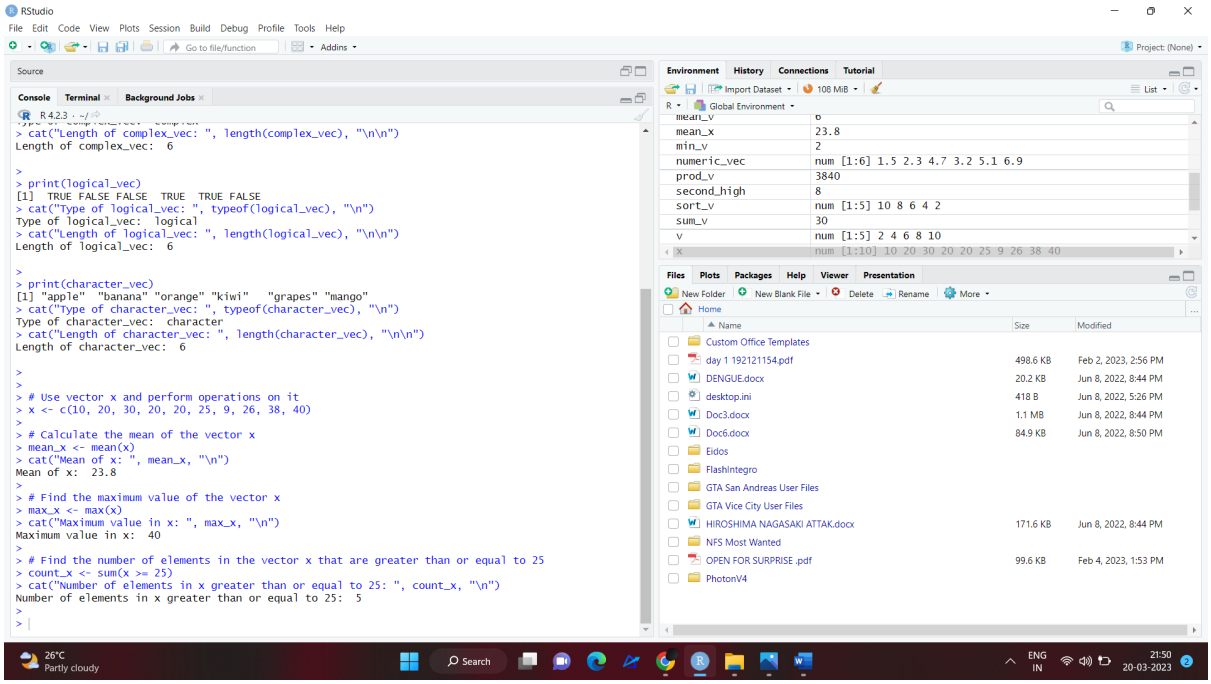
1.Write a R program to create a vector of a specified type and length. Create

vector of numeric, complex, logical and character types of length 6 with your own examples. print the vector, type, and length.

Use this vector for Below program

x = c(10, 20, 30, 20, 20, 25, 9, 26,38,40)



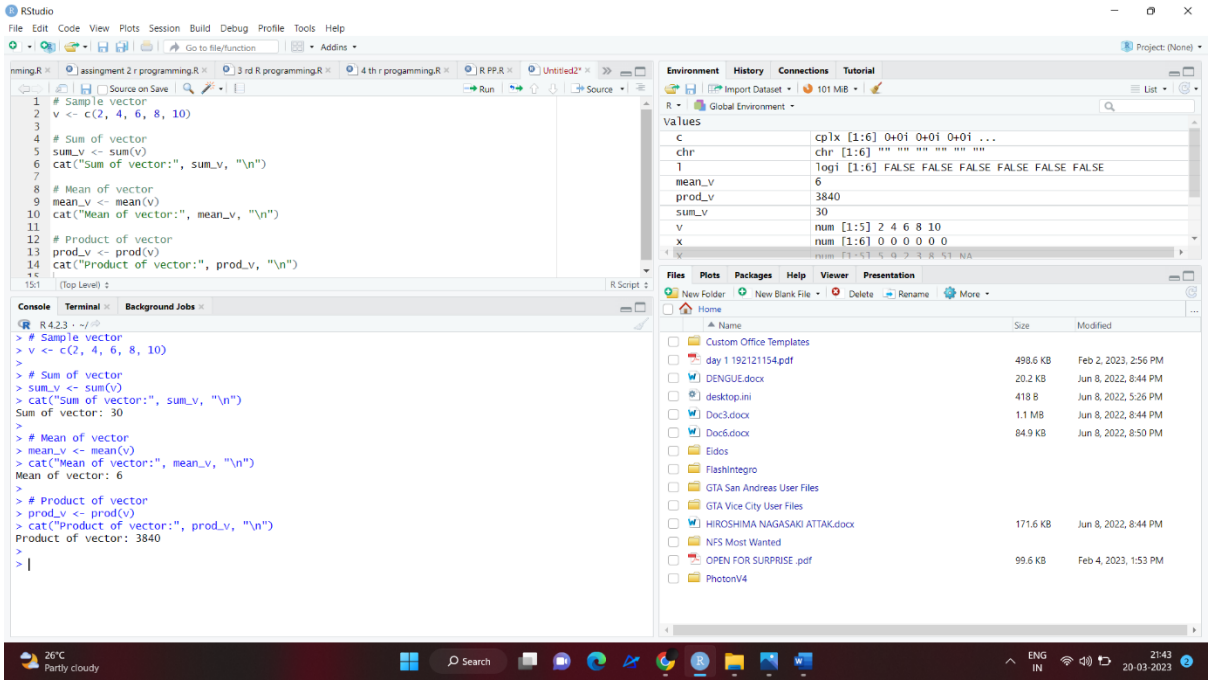


2. Write a R program to find Sum, Mean and Product of a Vector. 3.

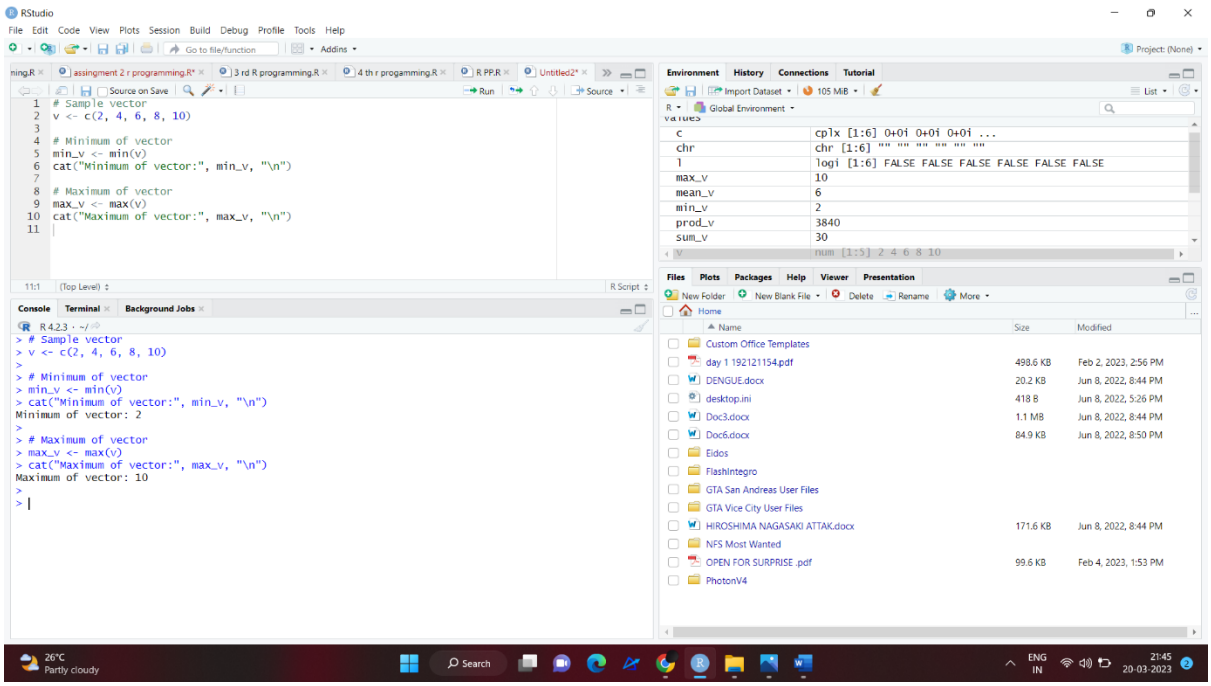
Write a R program to find the minimum and the maximum of a Vector 4.

Write a R program to find second highest value in a given vector.

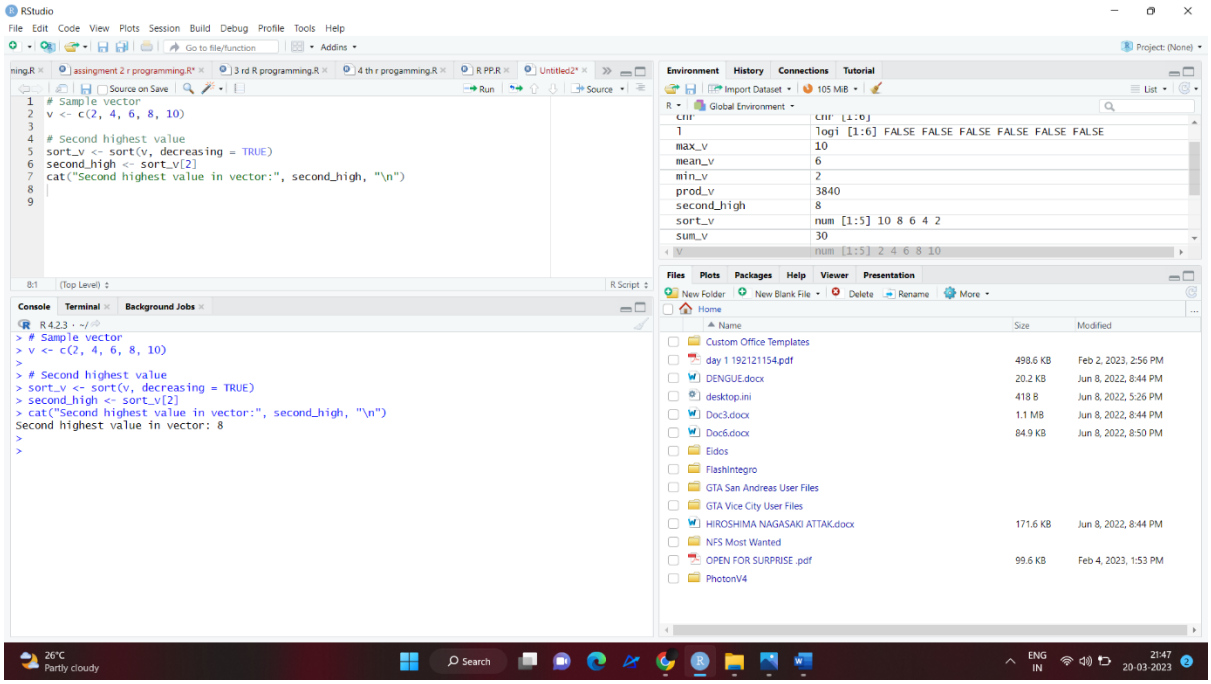
Write a R program to find Sum, Mean and Product of a Vector. 3.



Write a R program to find the minimum and the maximum of a Vector 4.

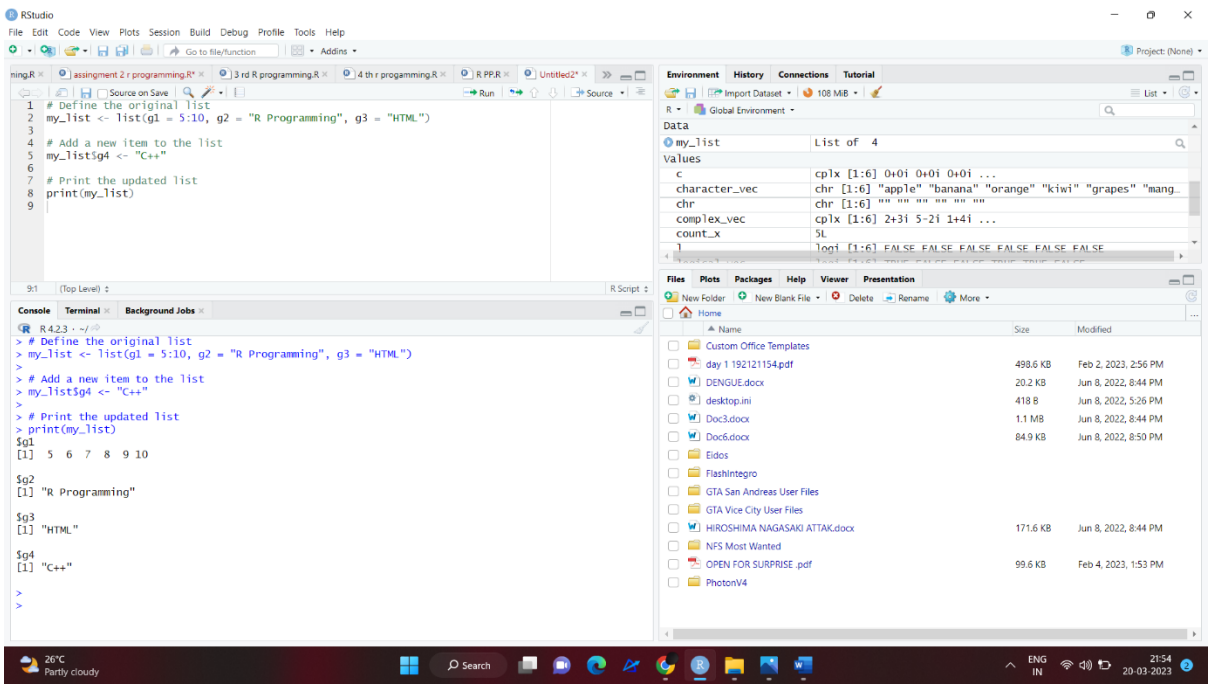


Write a R program to find second highest value in a given vector



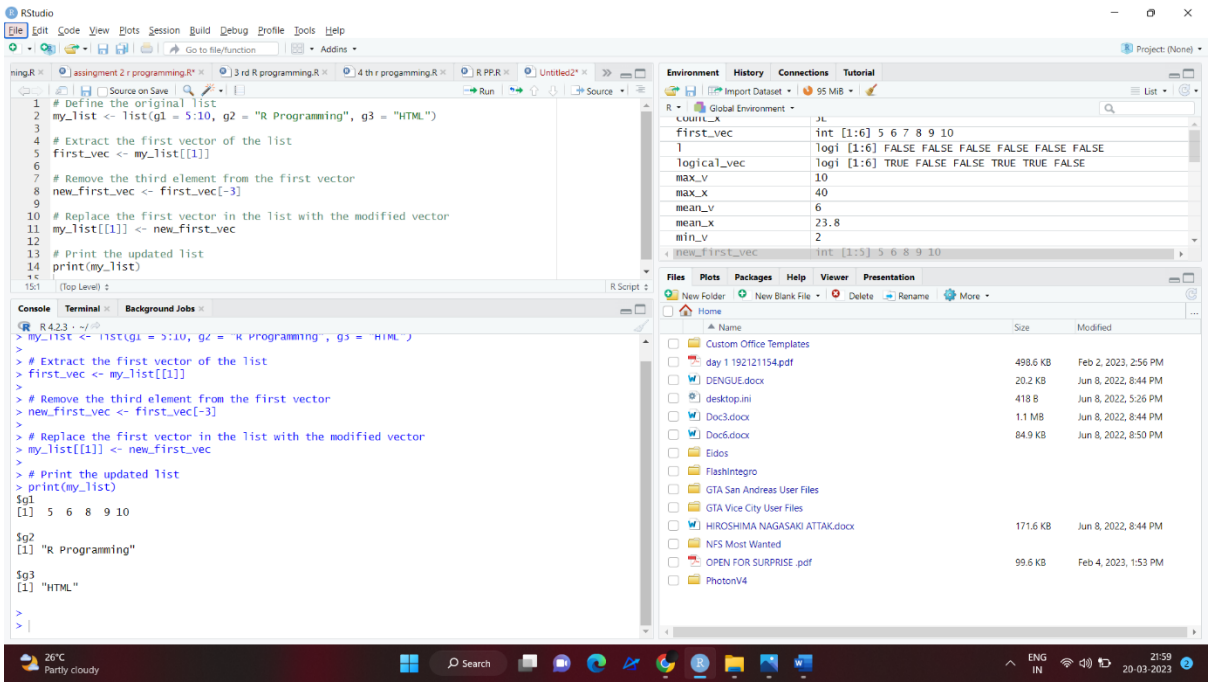
5. Write a R program to add a new item g4 = "C++" to a given list.

Sample list: (g1 = 5:10, g2 = "R Programming", g3 = "HTML").

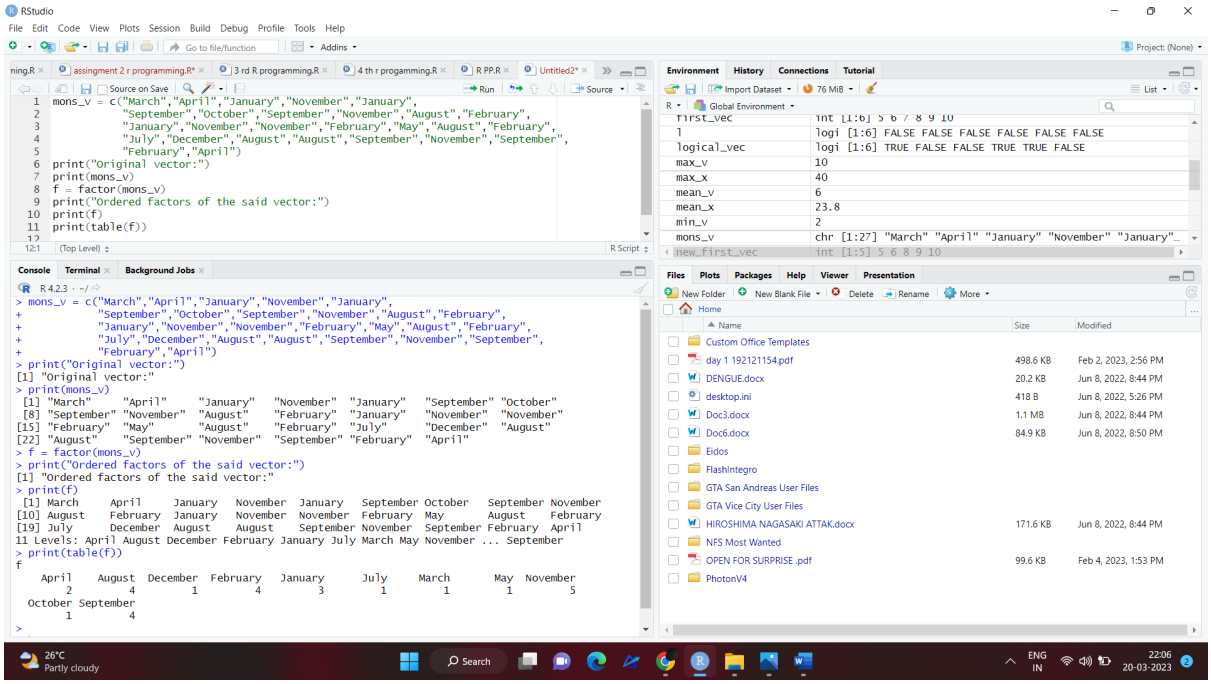


6. Write a R program to extract all elements except the third element of the first vector of a given list.

Sample list: (g1 = 5:10, g2 = "R Programming", g3 = "HTML")



7. Write a R program to create an ordered factor from data consisting of the names of months .


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
assignment 2 r programming.R*
3 rd R programming.R
4 th r progamming.R
R PP.R
Untitled2*
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")
print("Original vector:")
print(mons_v)
f = factor(mons_v)
print("Ordered factors of the said vector:")
print(f)
print(table(f))
Environment History Connections Tutorial
first_vec int [1:6] 5 6 7 8 9 10
l logi [1:6] FALSE FALSE FALSE FALSE FALSE FALSE
logical_vec logi [1:6] TRUE FALSE FALSE TRUE TRUE FALSE
max_v 10
max_x 40
mean_v 6
mean_x 23.8
min_v 2
mons_v chr [1:27] "March" "April" "January" "November" "January"...
new_first_vec int [1:5] 5 6 8 9 10
Console Terminal Background Jobs
R 4.2.3 · ~/
> 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")
> print("Original vector:")
[1] "Original vector:"
> print(mons_v)
[1] "March" "April" "January" "November" "January" "September" "October"
[8] "September" "November" "August" "February" "January" "November" "November"
[15] "February" "May" "August" "February" "July" "December" "August"
[22] "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
[10] August February January November November February May August February
[19] July December August August September November September February April
11 Levels: April August December February January July March May November ... September
> print(table(f))
f
April August December February January July March May November
2 4 1 4 3 1 1 1 5
October September
1 4
Files Plots Packages Help Viewer Presentation
New Folder New Blank File Delete Rename More
Home
Name Size Modified
Custom Office Templates
day 1 192121154.pdf 498.6 KB Feb 2, 2023, 2:56 PM
DENGUE.docx 20.2 KB Jun 8, 2022, 8:44 PM
desktop.ini 418 B Jun 8, 2022, 5:26 PM
Doc3.docx 1.1 MB Jun 8, 2022, 8:44 PM
Doc6.docx 84.9 KB Jun 8, 2022, 8:50 PM
Eidos
FlashIntegro
GTA San Andreas User Files
GTA Vice City User Files
HIROSHIMA NAGASAKI ATTAK.docx 171.6 KB Jun 8, 2022, 8:44 PM
NFS Most Wanted
OPEN FOR SURPRISE .pdf 99.6 KB Feb 4, 2023, 1:53 PM
PhotonV4
26°C
Partly cloudy
Search
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20-03-2023