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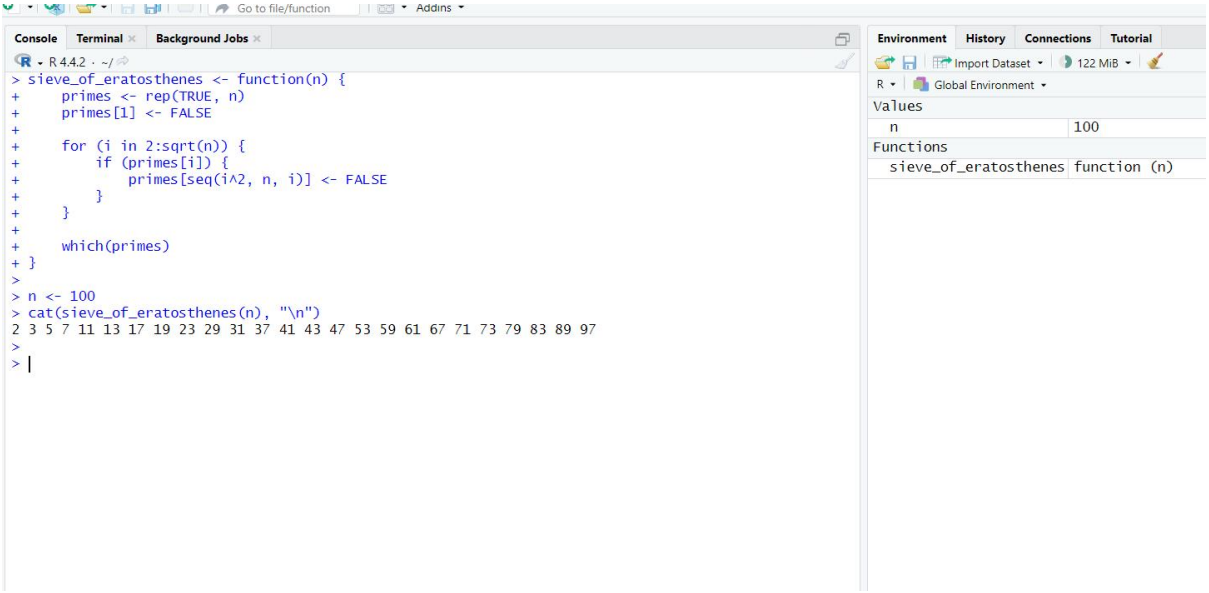
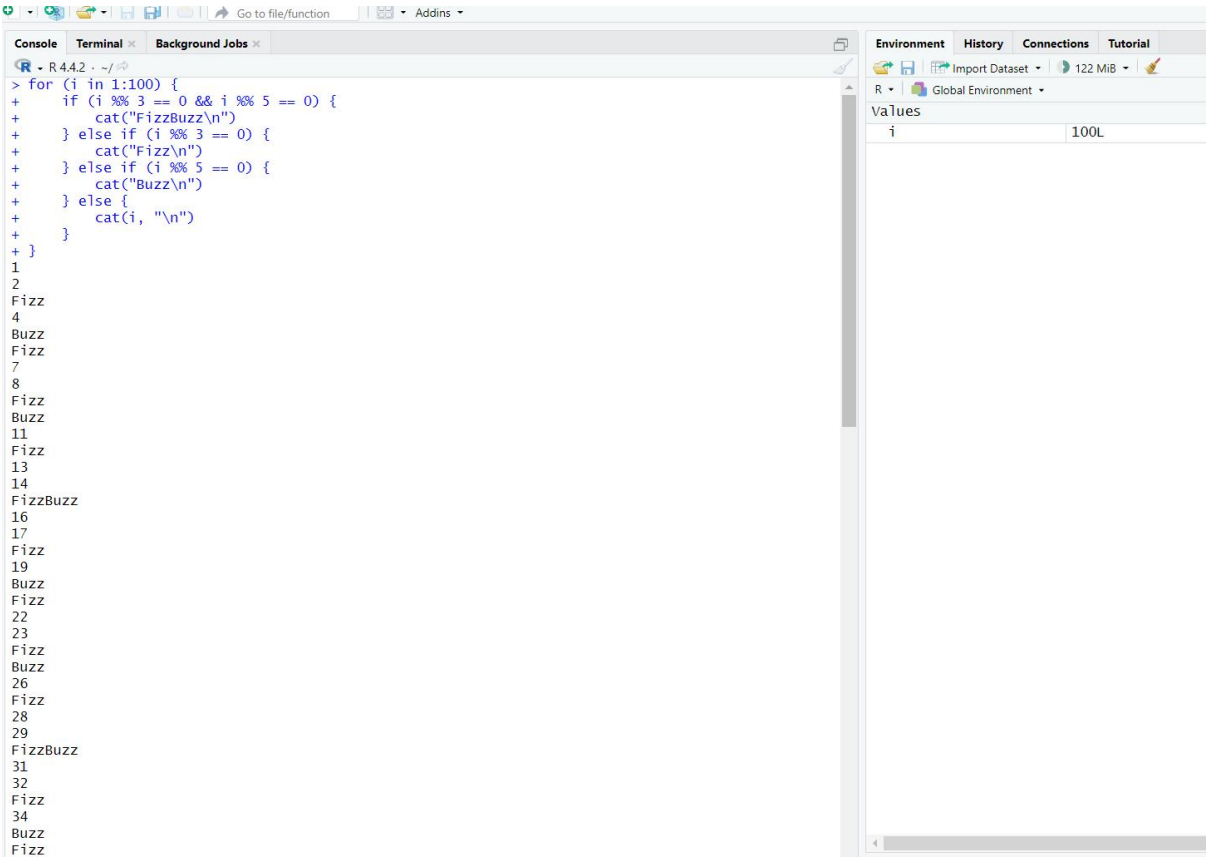
REG:192325017

LAB-2

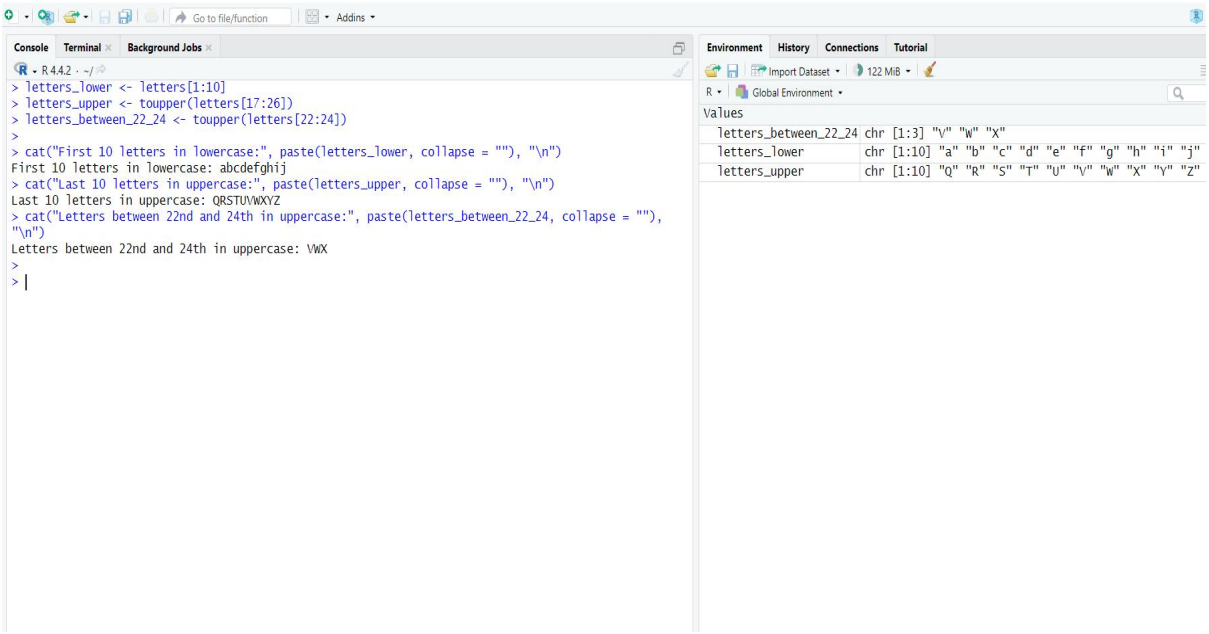
1.Write a R program to get all prime numbers up to a given number (based on the sieve of Eratosthenes).



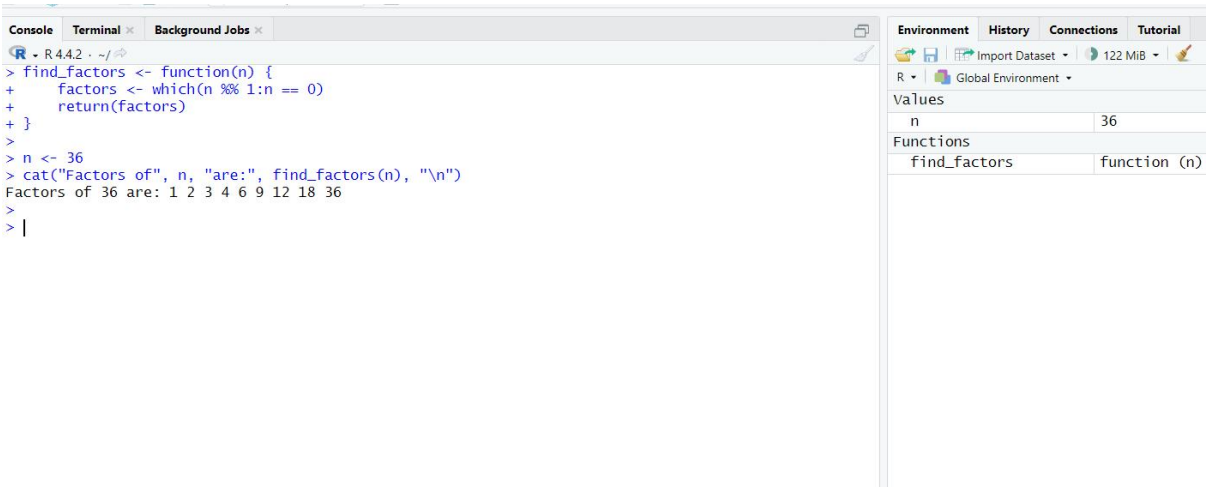
2.Write a R program to print the numbers from1 to 100 and print "Fizz" for multiples of 3, print "Buzz" for multiples of 5, and print "FizzBuzz" for multiples of both.



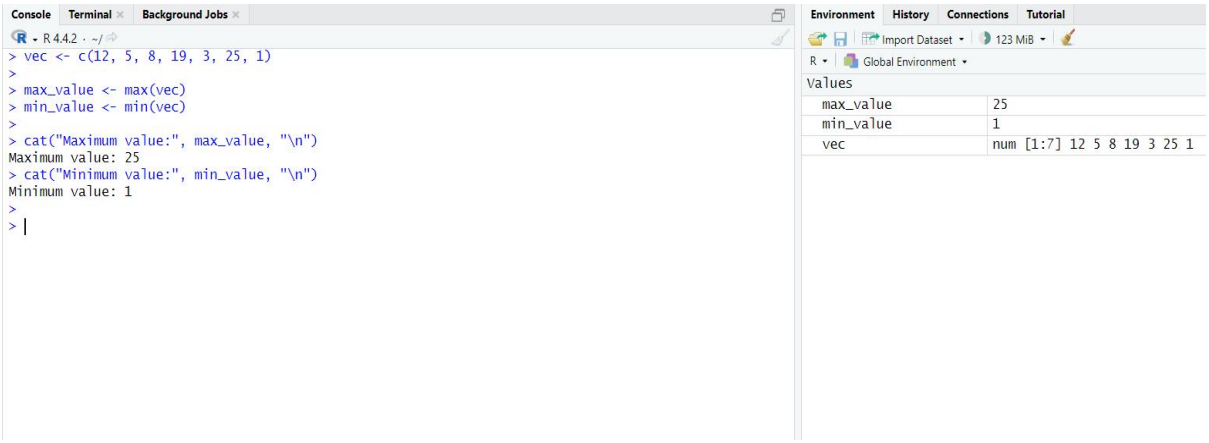
3.Write a R program to extract first 10 English letters in lower case and last 10 letters in upper case and extract letters between 22nd to 24th letters in upper case.



4.Write a R program to find the factors of a given number.



5.Write a R program to find the maximum and the minimum value of a given vector.


Console
Terminal
Background Jobs
R 4.4.2 · ~/
> vec <- c(12, 5, 8, 19, 3, 25, 1)
>
> max_value <- max(vec)
> min_value <- min(vec)
>
> cat("Maximum value:", max_value, "\n")
Maximum value: 25
> cat("Minimum value:", min_value, "\n")
Minimum value: 1
>
>
Environment
History
Connections
Tutorial
Import Dataset
123 MiB
R
Global Environment
Values
max_value 25
min_value 1
vec num [1:7] 12 5 8 19 3 25 1