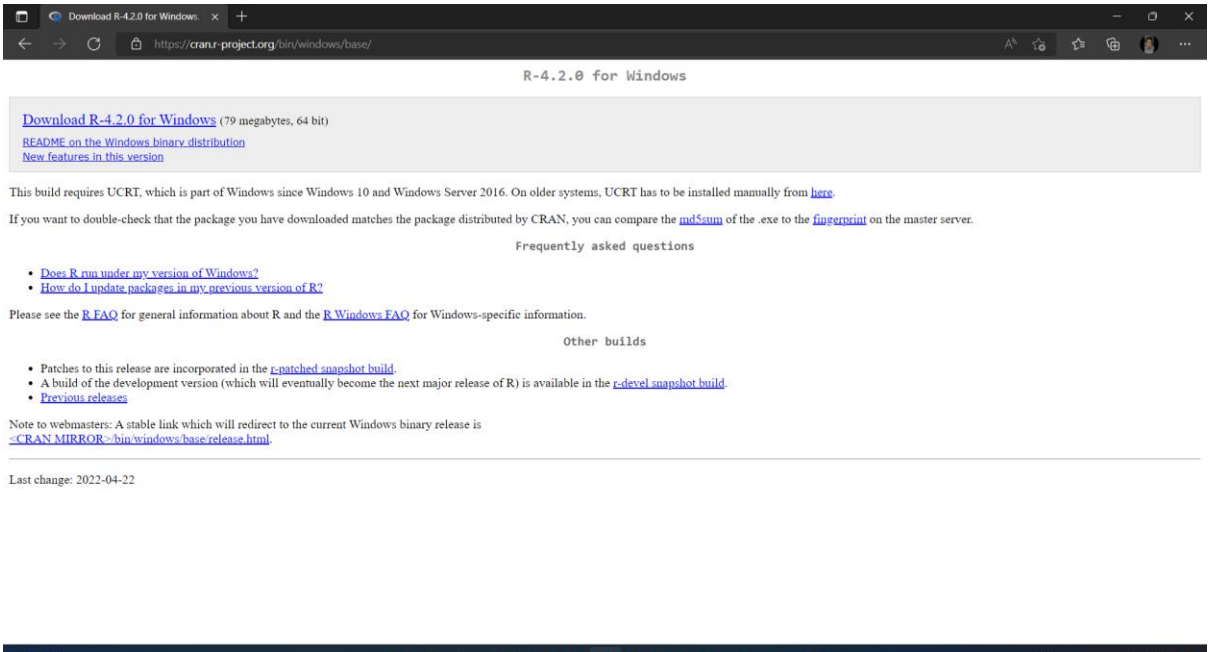


Download R-4.2.0 for Windows

https://cran.r-project.org/bin/windows/base/

R-4.2.0 for Windows

Download R-4.2.0 for Windows (79 megabytes, 64 bit)

README on the Windows binary distribution

New features in this version

This build requires UCRT, which is part of Windows since Windows 10 and Windows Server 2016. On older systems, UCRT has to be installed manually from here.

If you want to double-check that the package you have downloaded matches the package distributed by CRAN, you can compare the md5sum of the .exe to the fingerprint on the master server.

Frequently asked questions

- Does R run under my version of Windows?
- How do I update packages in my previous version of R?

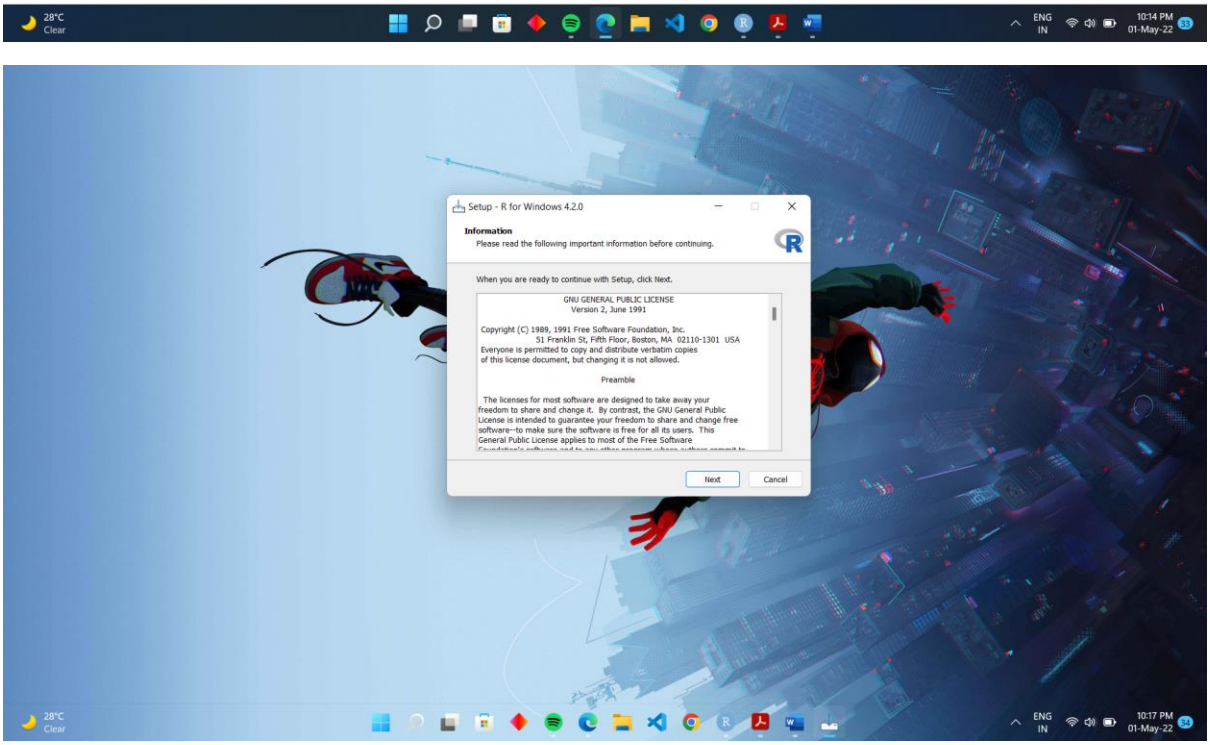
Please see the R FAQ for general information about R and the R Windows FAQ for Windows-specific information.

Other builds

- Patches to this release are incorporated in the r-patched snapshot build.
- A build of the development version (which will eventually become the next major release of R) is available in the r-devel snapshot build.
- Previous releases

Note to webmasters: A stable link which will redirect to the current Windows binary release is <CRAN MIRROR>/bin/windows/base/release.html.

Last change: 2022-04-22



Setup - R for Windows 4.2.0

Information

Please read the following important information before continuing.

When you are ready to continue with Setup, click Next.

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Version 2, June 1991

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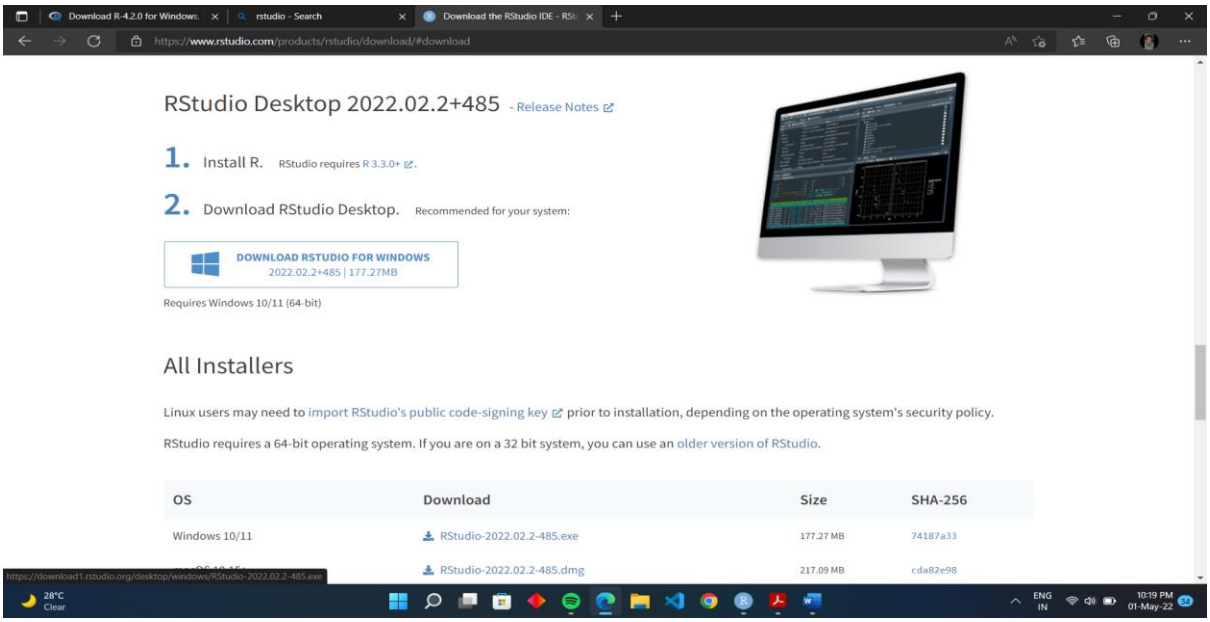
Preamble

The licenses for most software are designed to take away your freedom to share and change it. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change free software--to make sure the software is free for all its users. This General Public License applies to most of the Free Software

Next Cancel



Download R-4.2.0 for Windows | rstudio - Search | Download the RStudio IDE - RSt

https://www.rstudio.com/products/rstudio/download/#download

RStudio Desktop 2022.02.2+485 - Release Notes

1. Install R. RStudio requires R 3.3.0+.

2. Download RStudio Desktop. Recommended for your system:

DOWNLOAD RSTUDIO FOR WINDOWS
2022.02.2+485 | 177.27MB

Requires Windows 10/11 (64-bit)

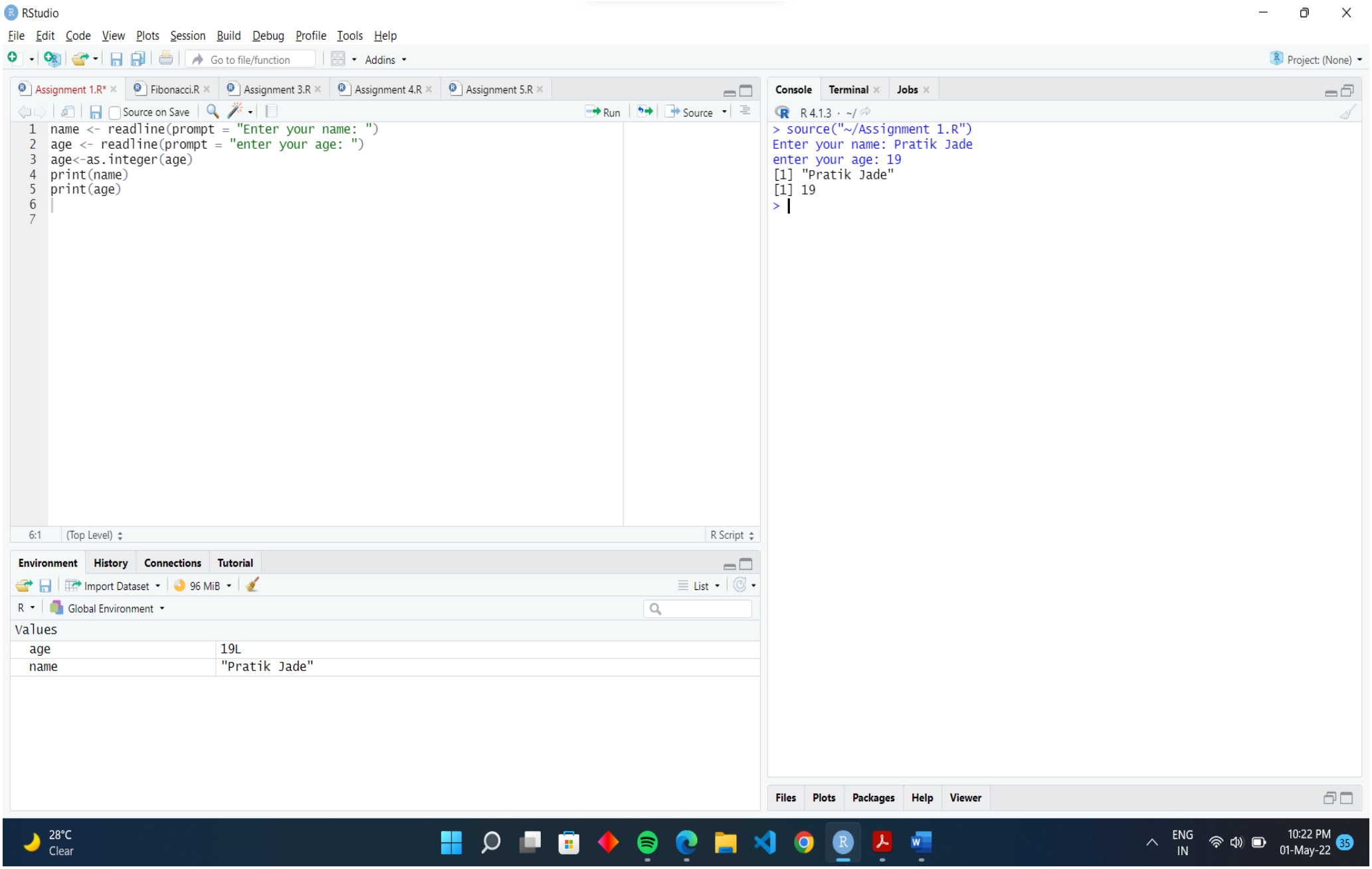
All Installers

Linux users may need to import RStudio's public code-signing key prior to installation, depending on the operating system's security policy.

RStudio requires a 64-bit operating system. If you are on a 32 bit system, you can use an older version of RStudio.

OS	Download	Size	SHA-256
Windows 10/11	RStudio-2022.02.2-485.exe	177.27 MB	74187a33
	RStudio-2022.02.2-485.dmg	217.09 MB	cda82e98

https://download1.rstudio.org/desktop/windows/RStudio-2022.02.2-485.exe


RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function
Addins
Project: (None)
Assignment 1.R*
Fibonacci.R
Assignment 3.R
Assignment 4.R
Assignment 5.R
Source on Save
Run
Source
1 name <- readline(prompt = "Enter your name: ")
2 age <- readline(prompt = "enter your age: ")
3 age<-as.integer(age)
4 print(name)
5 print(age)
6:1
(Top Level)
R Script
Environment
History
Connections
Tutorial
Import Dataset
96 MiB
List
R
Global Environment
Values
age 19L
name "Pratik Jade"
Console
Terminal
Jobs
R 4.1.3 · ~/
> source("~/Assignment 1.R")
Enter your name: Pratik Jade
enter your age: 19
[1] "Pratik Jade"
[1] 19
>
Files
Plots
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Viewer
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Clear
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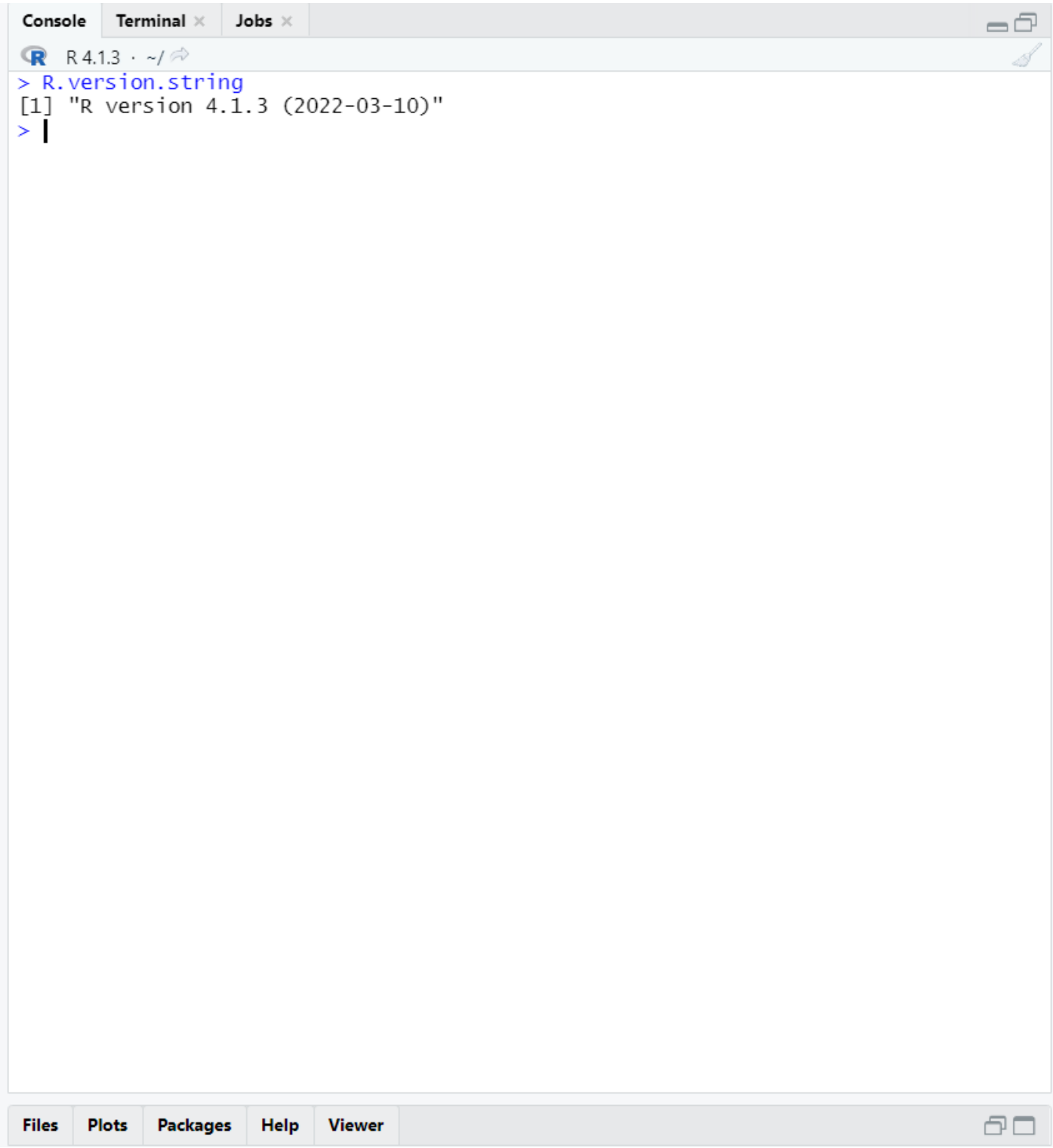
01-May-22


Console
Terminal
Jobs
R 4.1.3 · ~/
> R.version.string
[1] "R version 4.1.3 (2022-03-10)"
>
Files
Plots
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Help
Viewer

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

Assignment 1.R | Fibonacci.R* | Assignment 3.R | Assignment 4.R | Assignment 5.R

Source on Save | Run | Source

```
1  n <- 10
2  fibonacci <- numeric(n)
3  fibonacci[1] <- 1
4  fibonacci[2] <- 1
5  for (i in 3:n)
6  {
7      fib[i] <- fib[i - 1] + fib[i - 2]
8  }
9  print(fibonacci)
10
```

10:1 (Top Level) R Script

Console | Terminal | Jobs

R 4.1.3 · ~/

```
> print(fibonacci)
 [1] 1 1 0 0 0 0 0 0 0 0
>
```

Environment | History | Connections | Tutorial

Import Dataset | 81 MiB | List

R | Global Environment

Values

fib	num [1:10] 1 1 2 3 5 8 13 21 34 55
fibonacci	num [1:10] 1 1 0 0 0 0 0 0 0 0
i	10L
n	10

Files | Plots | Packages | Help | Viewer

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ENG IN

10:33 PM 01-May-22

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

Fibonacci.R | Assignment 3.R

Source on Save | Run | Source

```
1  print("First 10 letters in lower case:")
2  t = head(letters, 10)
3  print(t)
4  print("Last 10 letters in upper case:")
5  t = tail(LETTERS, 10)
6  print(t)
7  print("Letters between 22nd to 24th letters in upper case:")
8  e = tail(LETTERS[22:24])
9  print(e)
10
11
12
```

11:1 (Top Level) R Script

Console | Terminal | Jobs

R 4.1.3 · ~/

```
> source("~/Assignment 3.R")
[1] "First 10 letters in lower case:"
 [1] "a" "b" "c" "d" "e" "f" "g" "h" "i" "j"
[1] "Last 10 letters in upper case:"
 [1] "Q" "R" "S" "T" "U" "V" "W" "X" "Y" "Z"
[1] "Letters between 22nd to 24th letters in upper case:"
[1] "V" "W" "X"
> source("~/Assignment 3.R")
[1] "First 10 letters in lower case:"
 [1] "a" "b" "c" "d" "e" "f" "g" "h" "i" "j"
[1] "Last 10 letters in upper case:"
 [1] "Q" "R" "S" "T" "U" "V" "W" "X" "Y" "Z"
[1] "Letters between 22nd to 24th letters in upper case:"
[1] "V" "W" "X"
>
```

Environment | History | Connections | Tutorial

Import Dataset | 123 MiB | List

R | Global Environment

Values

e	chr [1:3] "V" "W" "X"
t	chr [1:10] "Q" "R" "S" "T" "U" "V" "W" "X" "Y" "Z"

Files | Plots | Packages | Help | Viewer

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RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

Fibonacci.R | Assignment 3.R | Assignment 4.R

Source on Save | Run | Source

```
1  n = floor(rnorm(1000, 50, 100))
2  print('List of random numbers in normal distribution:')
3  print(n)
4  t = table(n)
5  print("Count occurrences of each value:")
6  print(t)
7
8
```

7:1 (Top Level) | R Script

Environment | History | Connections | Tutorial

Import Dataset | 123 MiB | List

R | Global Environment

Values

n	num [1:1000] -35 3 29 -16 -17 67 -24 -18 136 121 ...
t	'table' int [1:377(1d)] 1 1 1 1 1 1 1 1 1 2 ...

Console | Terminal | Jobs

R 4.1.3 · ~/

```
> source("~/Assignment 4.R")
[1] "List of random numbers in normal distribution:"
   [1]  -35    3   29  -16  -17   67  -24  -18  136  121   86  201  237  173
  [15]  -74   91 -123   64  126   27   73  -33  -76  235  197   95 -161   54
  [29]   24   59   32   12  121  -55  -49   92  126  174   93  276  172  129
  [43]  179  135  145 -104   33  -39   43    6  176  149  124   61  153  -80
  [57]  162  195  -58  -75   98  -14   31   72   81  114   37  114    7  -99
  [71]  -27    6   36   78   58  -25   93  -29  -31  -53  -28  186  -70   96
  [85]  102  227 -122  -98  110   82  249  133   87  102   -5   -1  116   -6
  [99]   74   21  -94  182  192  104  -50   60   17   25  111   38  202   -5
 [113]   31  -80   -7  -14  -11   66   49  128   42  -12  246  104   20  115
 [127]  113   26   66  113  -89  150 -130   62   22   39   30  112  187   93
 [141]  -83 -117  155  -74   70  -84  -50   20   48  -11  210   32  122  175
 [155] -172   14  -62   16  -49  -21   37  139  -66  115 -148  -22  -31  -91
 [169] -160 -291  226   34   95   49  171   72  -24 -330  105   71   57  133
 [183] -122  129  104   -4  -29  104  -74  148  126  136  164   81  -49   89
 [197]  140    2   33 -181  293  135  109  113  120   12  115   77   51   91
 [211]   28   92  225  -21   31   46   17  -60  146  269  138   51   75    9
 [225]  105  -39  179  -52  -73  163   71   62   -8   90  -34  251  177   24
 [239]  150  137   50   87   -4  -30  125  101  -88  178   54   70   61   51
 [253]   -8  -27   40   96   28    3 -109   23 -160   41   76   30   95   11
 [267]   -1   75  -25   13  185   70  181    1   90  -72  -73   55 -145  131
 [281]   81  227  215   55  -18   31  188   85 -151  104    9  121  -32   69
 [295]    8  -16   60  -72  -18   96   81  125  218  159   43  179   46   35
 [309]  103  215 -119  138   53  211  209  -36  108  274   75    6  -69   75
 [323]  273   33  -66  260    7   31  110  126  -25 -181 -179  213   30  246
 [337]  219   44   17   -9   81   57   87  -28  207  205   17   -4  -31  137
 [351]   84  -41   91   41   27   24   89  148   95  127   52  222 -176  136
 [365]   26  207 -210   -1   46  -62   98  140  -16   51    2  -14   24   25
 [379]   48    4  205   41  158   -6   74   12   47  -61  -53   51   32  145
 [393]  233  -51   74   -9   59  228   92   46   14  147  -57  -97    1   60
 [407]  124   61  -49  -84 -165  180  224  157   -1  -24  -31  146  126   53
 [421]  -55  135  200  -26   -8  -87   17  192  158   50    1  165   74   67
 [435]   29  172  -16   92  -41   99  244  -30  -43  114   -4  -95  -73  -39
 [449]  108  -28  103   18  -86  -53   84  -10  151  -94  157  144   28    2
 [463]   73 -153   32   -7   10  -16   68  105  150 -169   34  -56  -95  115
 [477]   81 -120   27   18  -22  116   82  103  -21  -56  107   60   -5   64
 [491]  -14   64   96  170  123  251   36   73  -78   28   39  -26  -49   97
 [505]  184   73  158  262 -222    2  242   56   48  -69  -31   85  -50  -15
 [519]   77   59  -61   91  -32    5  -57 -146  103   -1  180  -15   30  141
 [533]  -22 -113   91   88   88   12   20   92 -106  109  109  -63  -20  234
 [547]  274    9  117   60   16   98   98  234    7   70   82   -9   97  -78
 [561]   54   18 -224  -50 -105  -84  114  126   66  -52  135  -58  103   48
```

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Console Terminal Jobs

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```
 [575]  -87   99   60    1  -44  147   40   -7  136   90  -77   65  -66  113
 [589] -111  200  -54  -43   78   71 -113   87   49  -83   14   75  121   20
 [603]   -1  -65 -163   11  155  147  180  -23  -63 -137  -39  105  -10 -151
 [617]   -1   41   71  124  225   39  106  128 -105 -123 -135    4    5   60
 [631]  113   96  143  -40  181  -27   51  181   27   43  129  131  125  -46
 [645]   20   62  141  -11    1  109 -116   31  126   77  161 -116  -45   59
 [659]   66   87   28   96  196  239   64  137  -89 -235  113   17   61   36
 [673]   70   35  -12   52  114  113 -211  -50  454  -52  132   92   80   37
 [687]  195   82   22  243   13   70   31  -85   19  -24   79  240  142   53
 [701]  -31   38   70  138    3  110  -67  102 -124 -219  -20   94  -20    6
 [715]   75  103   20   67 -104   -5   -2   72  257  105   78  -61  -64  -58
 [729]   60  -59 -198  196   35  181  119  169  219  -36  -52 -215  -64   59
 [743]  111  -22  304   51  -33  114  227  -77  150  113   22  -56   46  -10
 [757]  149   55   18  189  171   97  215    2   13  209  121  -32    9   28
 [771] -187   69  134  191  -33  104   18  -32  -13   29  251  -45 -120   57
 [785]  191  118   50   79   45   65   15  -37   36   26   57  -92 -112   59
 [799]   26   29  -10   42   -5  -38   -2   23  118   43    7  148  251  144
 [813]   34  -41  132  234  193  -77  -89   52  180   23   17   58  238  -39
 [827]   60  -25  180  196  180   76  251  129  222  214   21  -64   16   44
 [841]  174   51  -51  -66  107  112   35 -179  120   76  162  113  -29   49
 [855]   23  -31   89   59  -45   76  228  114  130  -34  -43   50  -22    0
 [869]  124  135   70    9   37   37    3   92  137  -79 -114  127  191  -23
 [883]  219  103   60    6    6  117   26   63  145   10   78  -66  110  115
 [897]  137   94  120   88   88 -101 -113  182   28   18  139  166  125  -74
 [911]  -15  125   86  -86 -132   80   -7  112    9   26  122  -39   23   44
 [925]  -14  -65   76  104  -50   46   20   93  236   62  -81   16 -168   80
 [939]   55  214  165   95  -39  294  -12  186   10  140   31   62  -74   97
 [953]  -61   23  194   71   87 -137  179   92   -4   87  108 -112   89  111
 [967] -178  154  122   74  -66  -22  117  262  -73   64  118  165   12  104
 [981]  143   91   37  118  -72   29  -83   91   91   76   35  -11  198 -106
 [995] -125  -80  155 -139  -32   40
[1] "Count occurrences of each value:"
n
-278 -235 -234 -219 -216 -215 -214 -211 -210 -207 -198 -197 -189 -188 -187
   1    1    1    1    1    1    1    1    1    1    1    1    1    1    1
-181 -179 -178 -175 -173 -170 -169 -168 -163 -155 -152 -151 -149 -139 -138
   1    1    2    1    1    2    1    2    1    1    2    1    1    2    1
-137 -135 -132 -131 -130 -127 -125 -124 -123 -122 -121 -120 -116 -114 -113
   3    1    1    1    1    1    2    1    1    3    1    2    2    1    2
-112 -111 -110 -107 -106 -105 -104 -103 -102 -101  -97  -95  -92  -89  -88
   3    1    1    2    2    5    1    2    3    1    1    3    2    2    1
 -87  -86  -85  -84  -83  -82  -81  -80  -79  -78  -77  -76  -74  -73  -72
   1    2    2    2    3    2    3    1    1    1    4    3    5    2    2
```

Files Plots Packages Help Viewer

Console Terminal Jobs

R 4.1.3 · ~/

```
   1    2    2    2    3    2    3    1    1    1    4    3    5    2    2
 -71  -68  -67  -66  -65  -64  -63  -62  -61  -60  -59  -58  -57  -56  -55
   2    1    1    7    4    3    4    2    3    2    2    2    2    1    2
 -54  -53  -52  -51  -50  -49  -48  -47  -46  -45  -44  -43  -42  -41  -40
   1    4    3    2    3    2    2    1    4    5    2    3    2    4    2
 -39  -38  -37  -36  -35  -34  -33  -32  -31  -30  -29  -27  -26  -25  -24
   5    2    1    2    1    3    3    3    7    2    2    4    1    2    3
 -23  -22  -21  -20  -19  -18  -17  -16  -15  -14  -13  -12  -11  -10   -8
   3    5    2    2    2    4    4    2    2    2    4    5    4    4    2
  -7   -6   -5   -4   -3   -2   -1    0    1    2    3    4    5    6    7
   5    6    2    2    2    4    5    3    7    3    3    3    4    4    2
   8    9   10   11   12   13   14   15   16   17   18   19   20   21   22
   4    3    6    3    2    6    1    4    2    4    5    1    7    2    6
  23   24   25   26   27   28   29   30   31   32   34   35   36   37   38
   6    4    1    5    3    4    4    2    7    3    1    6    5    7    5
  39   40   41   42   43   44   45   46   47   48   49   50   51   52   53
   2    7    5    4    2    5    3    4    3    4    6    3    5    6    3
  54   55   57   58   59   60   61   62   63   64   65   66   67   68   69
   3    5    3    3    5    8    2    3    5    6    4    1    3    3    6
  70   71   72   73   74   75   76   77   78   79   80   81   82   83   84
   5    7    2    1    1    2   12    1    4    3    6    2    4    1    3
  86   87   88   89   90   91   92   93   94   95   96   97   98   99  100
   2    4    3    5    2    6    4    4    3    2    4    4    3    3    6
 101  102  103  104  105  106  107  108  109  110  111  112  113  114  115
   1    1    5    4    3    7    4    1    6    5    5    4    7    6    3
 116  117  118  119  120  121  122  123  124  125  126  127  128  129  130
   1    7    8    2    3    3    5    3    4    5    2    4    2    3    2
 131  132  134  135  136  137  138  139  140  141  142  143  144  145  146
   4    4    1    3    1    5    4    5    1    2    1    4    2    2    1
 147  148  149  150  151  152  154  155  157  158  159  160  161  162  164
   3    2    2    1    2    2    1    3    1    1    2    1    1    2    1
 165  166  167  168  169  170  171  172  174  175  177  178  179  180  181
   3    3    1    2    1    4    2    1    2    1    2    1    1    5    4
 182  183  184  185  186  188  189  191  193  194  195  196  198  199  200
   1    1    1    3    1    2    3    3    4    2    2    3    2    1    2
 201  203  204  205  208  209  210  214  215  216  217  218  219  220  222
   1    1    1    1    1    1    3    2    1    2    1    1    4    1    2
 224  225  227  228  234  236  238  239  240  243  245  251  252  254  256
   1    2    2    1    1    1    1    2    1    1    1    4    1    1    1
 257  259  262  267  269  282  290  291  294  304  315  322  334  406  454
   1    1    3    1    1    1    2    1    1    1    1    1    1    1    1
>
```

Files Plots Packages Help Viewer

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function | Addins | Project: (None)

Fibonacci.R | Assignment 3.R | Assignment 4.R | Assignment 5.R

Source on Save | Run | Source

```
1  m1 = matrix(1:20, nrow=5, ncol=4)
2  print("5 x 4 matrix:")
3  print(m1)
4  cells = c(1,3,5,7,8,9,11,12,14)
5  rnames = c("Row1", "Row2", "Row3")
6  cnames = c("Col1", "Col2", "Col3")
7  m2 = matrix(cells, nrow=3, ncol=3, byrow=TRUE, dimnames=list(rnames, cnames))
8  print("3 x 3 matrix with labels, filled by rows: ")
9  print(m2)
10 print("3 x 3 matrix with labels, filled by columns: ")
11 m3 = matrix(cells, nrow=3, ncol=3, byrow=FALSE, dimnames=list(rnames, cnames))
12 print(m3)
13
14
```

13:1 (Top Level) R Script

Environment | History | Connections | Tutorial

Import Dataset | 131 MiB | List

R | Global Environment

Data	
m1	int [1:5, 1:4] 1 2 3 4 5 6 7 8 9 10 ...
m2	num [1:3, 1:3] 1 7 11 3 8 12 5 9 14
m3	num [1:3, 1:3] 1 3 5 7 8 9 11 12 14
Values	
cells	num [1:9] 1 3 5 7 8 9 11 12 14
cnames	chr [1:3] "Col1" "Col2" "Col3"
rnames	chr [1:3] "Row1" "Row2" "Row3"

Console | Terminal | Jobs

R 4.1.3 · ~/

```
> source("~/Assignment 5.R")
[1] "5 x 4 matrix:"
     [,1] [,2] [,3] [,4]
[1,]    1    6   11   16
[2,]    2    7   12   17
[3,]    3    8   13   18
[4,]    4    9   14   19
[5,]    5   10   15   20
[1] "3 x 3 matrix with labels, filled by rows: "
     Col1 Col2 Col3
Row1    1    3    5
Row2    7    8    9
Row3   11   12   14
[1] "3 x 3 matrix with labels, filled by columns: "
     Col1 Col2 Col3
Row1    1    7   11
Row2    3    8   12
Row3    5    9   14
>
```

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