

Data Science using R

Experiment No. 01

- AIM (a) Installation and Configuration of R studio.
(b) Write an R/python program to take input from the user (name and age) and display the values.

Also print the version of R installation.

Theory →

- (a) Steps to install the R studio.

Installing R studio on Windows operating system →

Step (1) → Go to CRAN R project website.

Step (2) → Click on the base subdirectory link or install R for the first time link.

Step (3) → Click download R for Windows.

Step (4) → Run the .exe file downloaded.

Step (5) → Later select the desired language for installation and agree the license for the installation and click Next.

Step (6) → Keep the settings default and install the R studio.

Conclusion → Thus, we successfully installed the R studio and implemented program over it using R programming language.

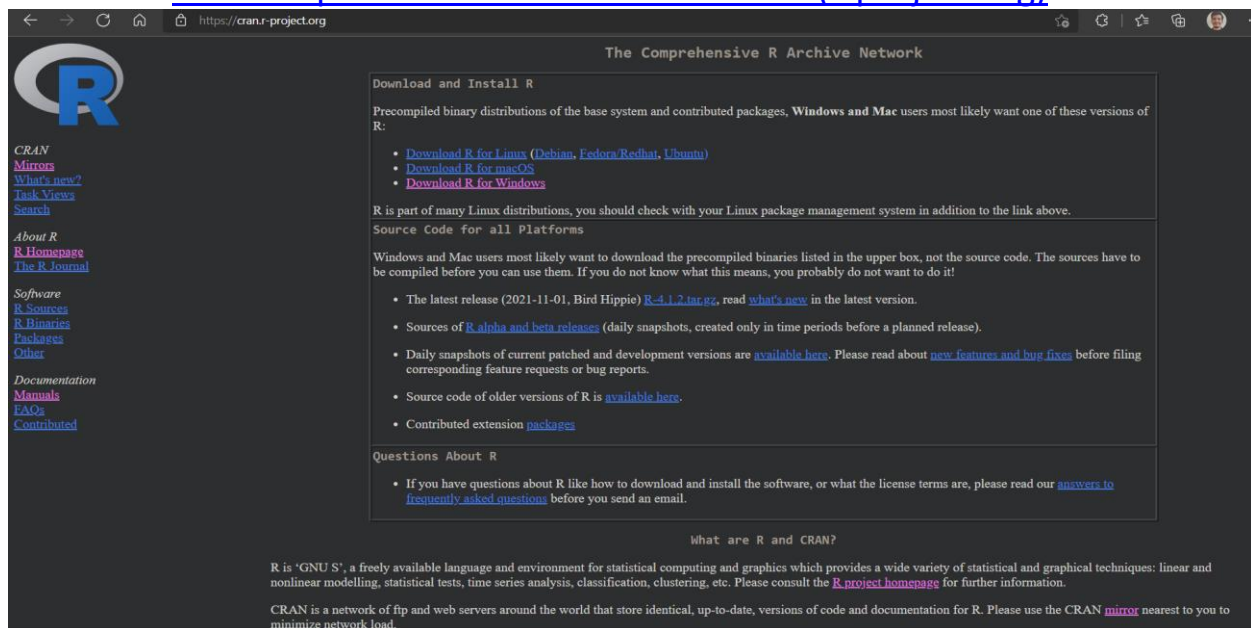
Steps for the R installation:

Installing R and RStudio on Windows

To install R and RStudio on windows, go through the following steps:

Step – 1: Go to CRAN R project website.

[The Comprehensive R Archive Network \(r-project.org\)](https://cran.r-project.org)



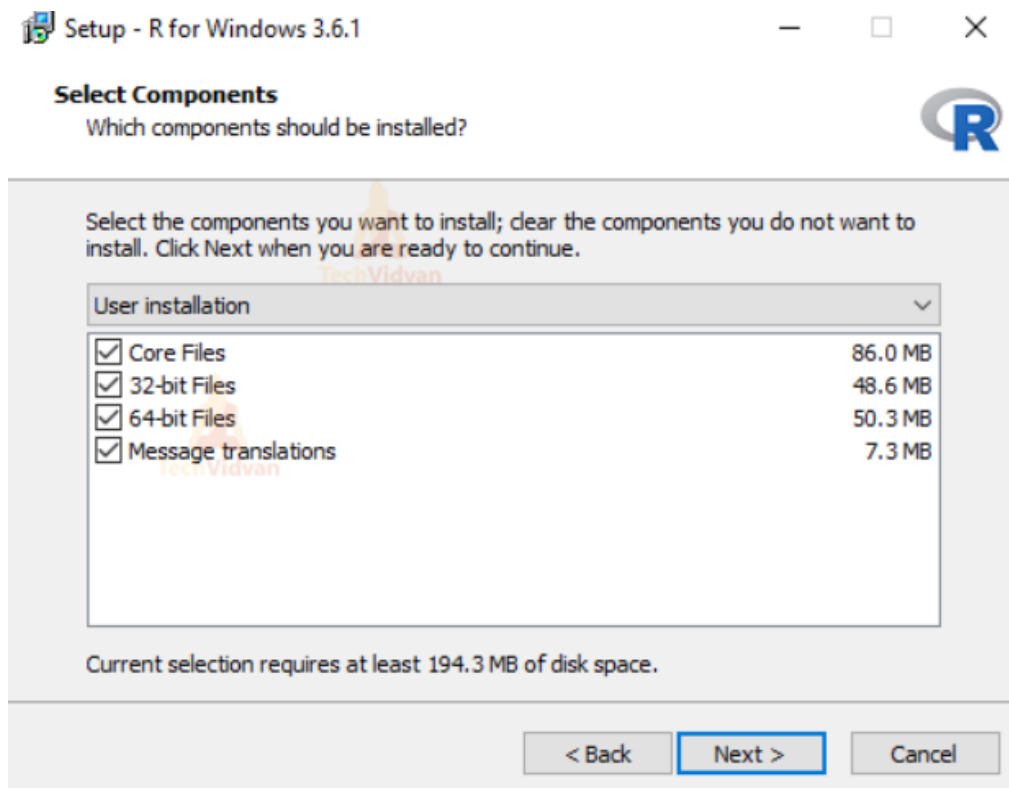
Step 2: Download R for windows in my case it can be Linux or Mac depending upon the user.

Step 3: once the R gets downloaded locate it in the directory it is installed

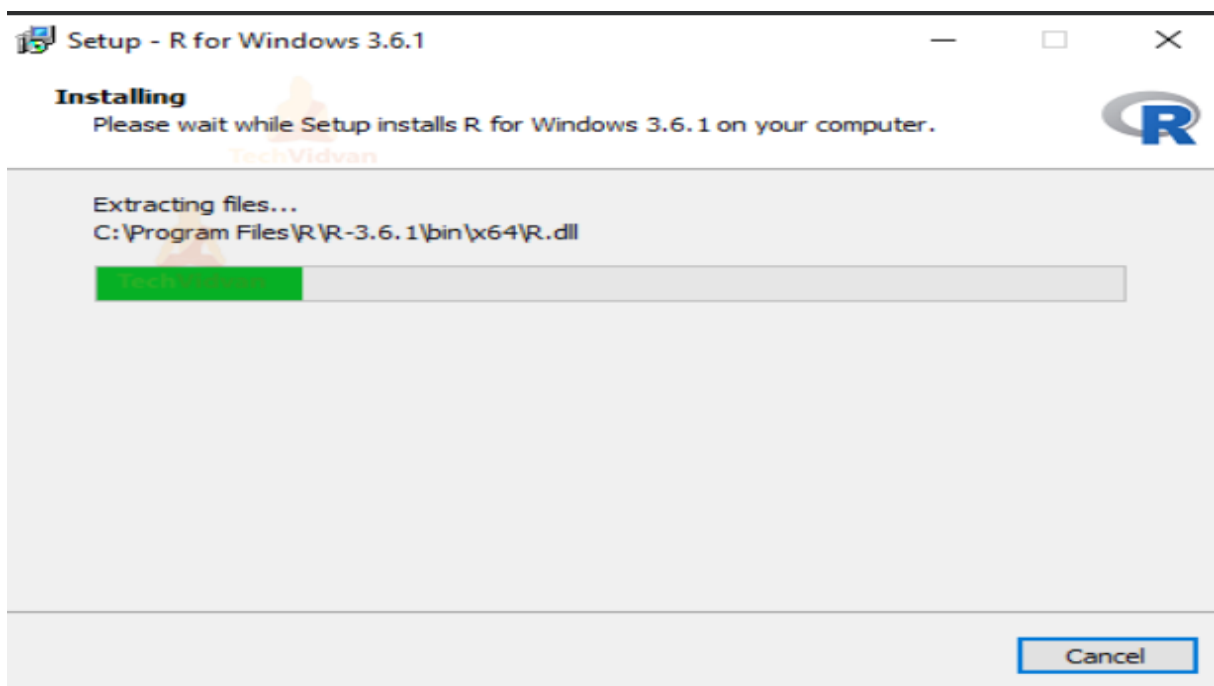
Step 4: Run the .exe file and follow the installation instructions

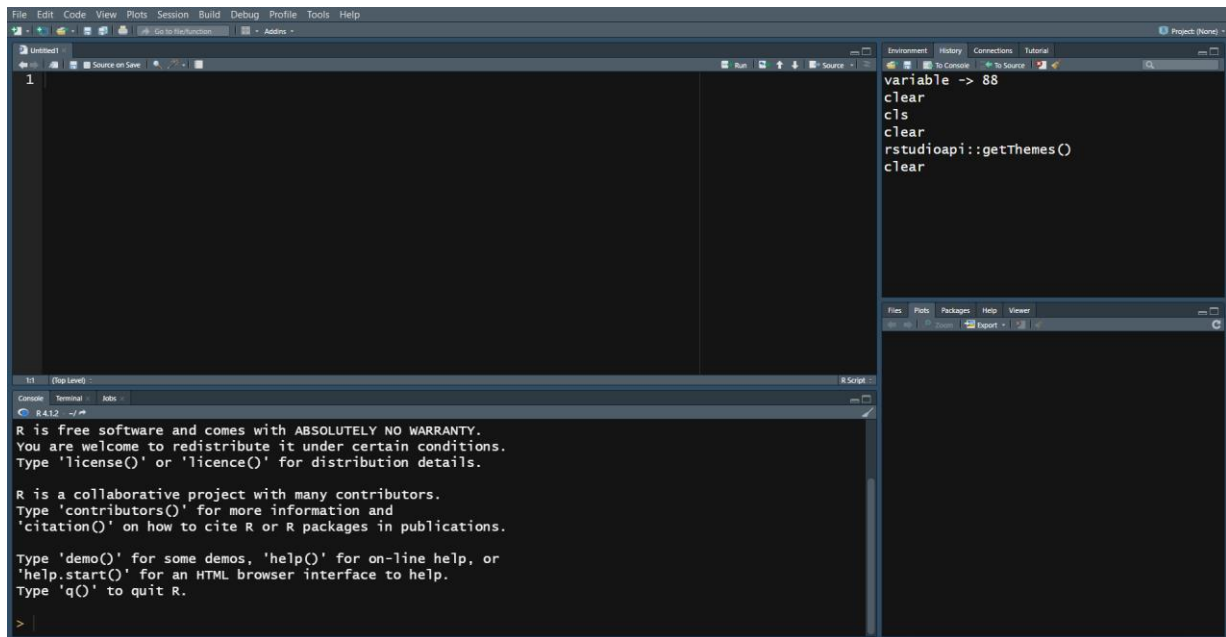
Step 5: Choose your preferred language, click on agree the for the agreement asked for the installation, wait for the installation process to complete.

- You may choose the 32 bit, 64 bit or both set-up for installation depending upon your requirement



Installing R studios





Successfully installed the R studio For Data Analytics

Program Code:

Using Python Programming Language:

```
Name = input("Please Enter your Name:")
```

```
Age = int(input("Please Enter your Age:"))
```

```
print(Name)
```

```
print(Age)
```

Program output:

```
PS R:\Machine_Learning\Coursera> python -u "r:\Machine_Learn
Please Enter your Name:Rudraksh
Please Enter your Age:19
Rudraksh
19
```

Using R programming Code:

```
Name <- readline(prompt="Enter name: ")
```

```
Age <- readline(prompt="Enter age: ")
```

```
Age <- as.integer(my.age)
```

```
print(paste("Name provided is,", Name, "and you're ", Age,
"years old."))
```

```
1 Name <- readline(prompt="Enter name: ")
2 Age <- readline(prompt="Enter age: ")
3
4 Age <- as.integer(Age)
5 print(paste("Name provided is,", Name, "and you're ", Age, "years old."))
6
7
8 |
```

Program Output:

```
>  
> source("R:/GHRCEM/R Programming Language/Hello_world.R")  
Enter name: Rudraksh_Karpe  
Enter age: 20  
[1] "Name provided is, Rudraksh_Karpe and you're 20 years old."
```