

History:

**1. What is the name of your language?**

R

**2. When/where was it created, and by whom? Was it written to address a particular problem or need?**

R is a language that is based on the language S, which was created in 1976. The first coders of R were named Ross Ihaka and Robert Gentleman, and their initial intention was to make an alternative implementation of S. They were eventually convinced to make the software free and open-source, and thus began the formation of the *R Core Team* who updates and supports the language.

**3. What types of programming is your language primarily used for (ex: web sites, video games, mobile devices, parsing, etc.). If your language is multi-purpose, provide some examples of different projects it's been used for.**

R is primarily used for statistical coding, such as linear and nonlinear modelling, classical statistical tests, time-series analysis, classification, and clustering.

(<https://www.r-project.org/about.html>)

**4. Where will you get information about this language when it's time to start programming in it? At the end of your assignment, provide a list of the names of books, website URLs, or any other resources that relate to your language in particular.**

<https://www.r-project.org/> has documentation on the language

<https://www.codecademy.com/learn/learn-r> course on learning R

Books available on ACM Digital Library

[https://en.wikipedia.org/wiki/R\\_%28programming\\_language%29](https://en.wikipedia.org/wiki/R_%28programming_language%29)

<https://www.r-project.org/about.html>

[https://www.w3schools.com/r/r\\_comments.asp](https://www.w3schools.com/r/r_comments.asp)

**1. What did you need to do to install the language?**

To install R onto my machine, I installed the preferred programming environment,

RStudio

**2. Does this language come with a recommended programming environment? What is it? If not, how did you pick the one that you'll be using?**

RStudio is the recommended programming environment for using R

**3. How do you run programs in that language?**

Running programs in R is straightforward, you simply need to select Run in RStudio

**4. How do you write comments in your language?**

Writing comments in R is common, one uses # at the beginning of what they want to comment out