

The codes are written in RStudio (version: RStudio 2022.02.0+443 "Prairie Trillium" Release (9f7969398b90468440a501cf065295d9050bb776, 2022-02-16) for Windows Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) QtWebEngine/5.12.8 Chrome/69.0.3497.128 Safari/537.36).

File type: XXXXXX.Rmd

Instructions:

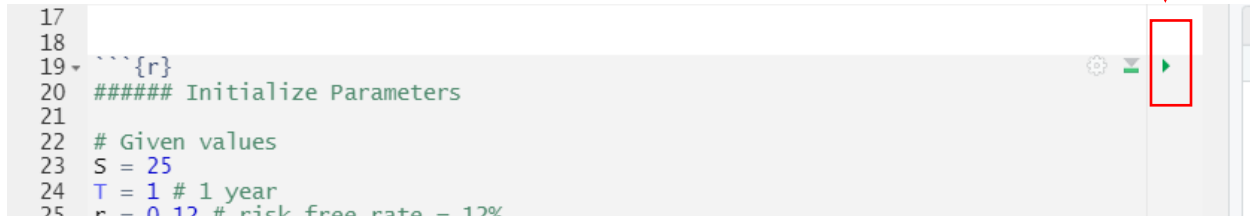
Code requires some packages and first code chunk automatically install required packages. In case RStudio fails to install packages automatically follow the guideline in the file "Readme(Install_Packages).pdf" to install packages manually. All packages should be installed and loaded to run the code successfully.

All the chunks need to run together, and order of the chunks cannot be changed.

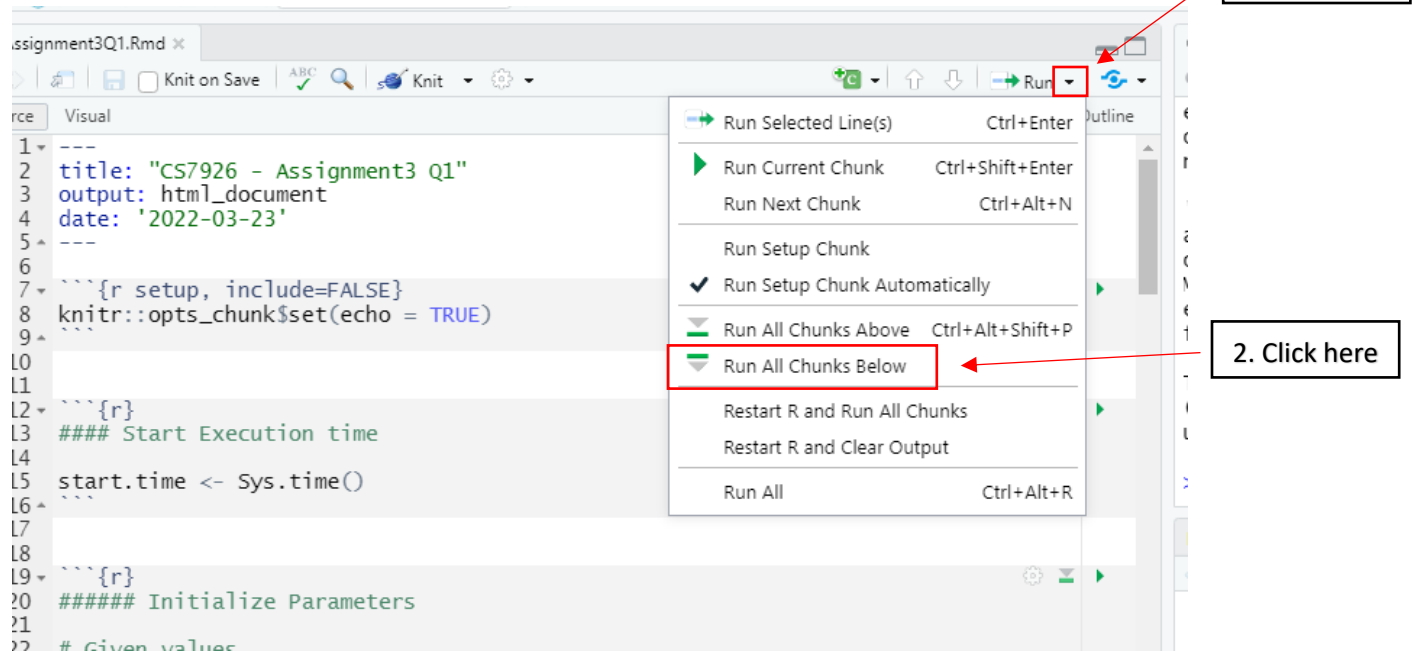
Guidance on Running code:

Running a chunk:

```
17
18
19 {r}
20 ##### Initialize Parameters
21
22 # Given values
23 S = 25
24 T = 1 # 1 year
25 r = 0.12 # risk free rate = 12%
```



Running all chunks: (Click at line number 1 and select “Run All Chunks Below”)



1. Click here

2. Click here