MIDDLE EAST TECHNICAL UNIVERSITY, NORTHERN CYPRUS CAMPUS

CNG242 Programming Language Concepts – Spring 2021 – Lab 1

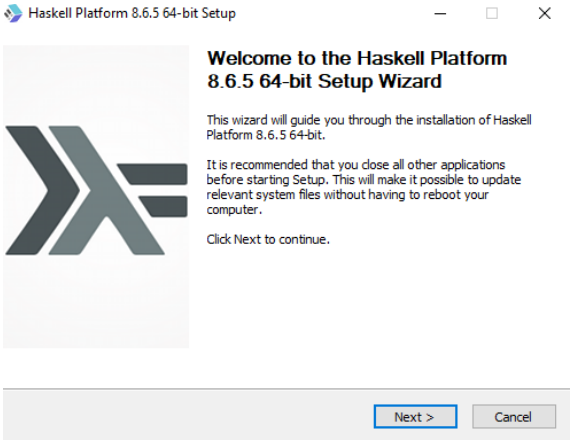
1. Download

This semester we are going to use Haskell **8.6.5.** This is an earlier release for Haskell which is easier to install and run. For windows, you can download and install from the following link; https://www.haskell.org/platform/prior.html

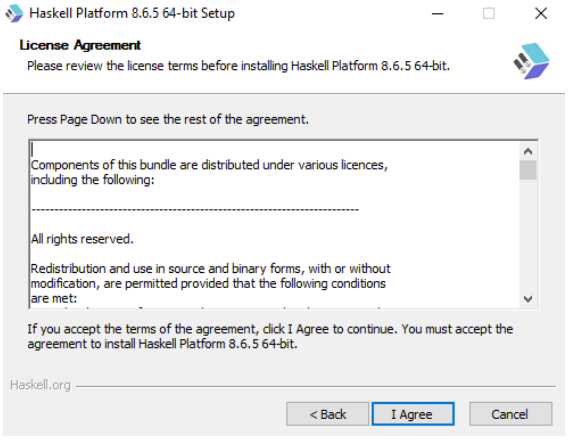
If you are **using Mac OS**, you can **install 8.6.3** and if you are using a **Linux distribution**, please contact with me (zekican.budin@metu.edu.tr)

2. Installation

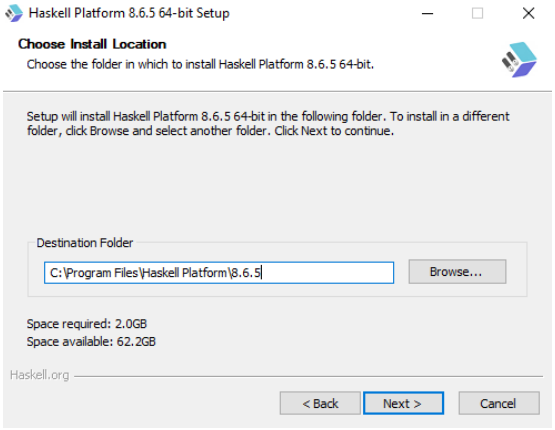
Click Next



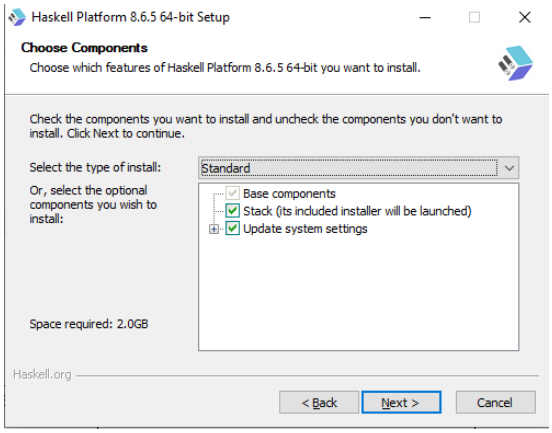
Click I Agree



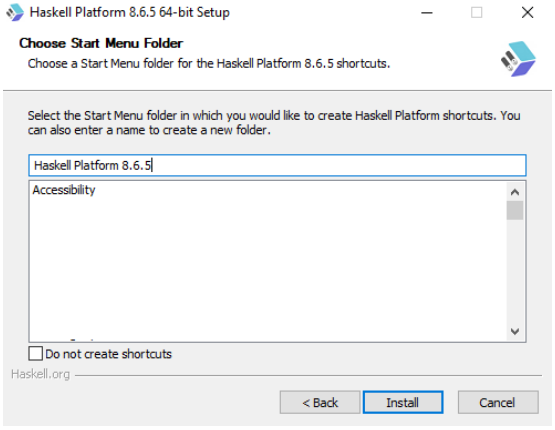
Select a destination and Click Next



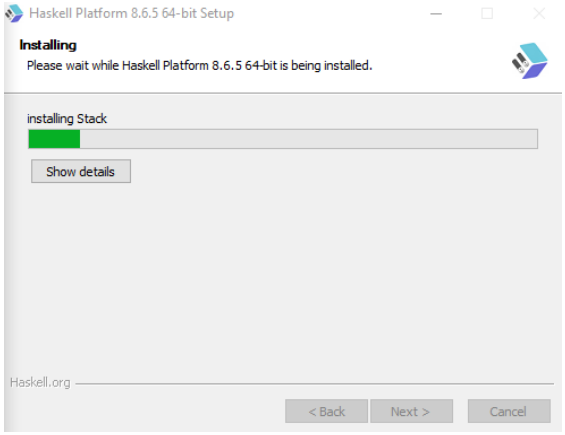
Make sure Standard is selected



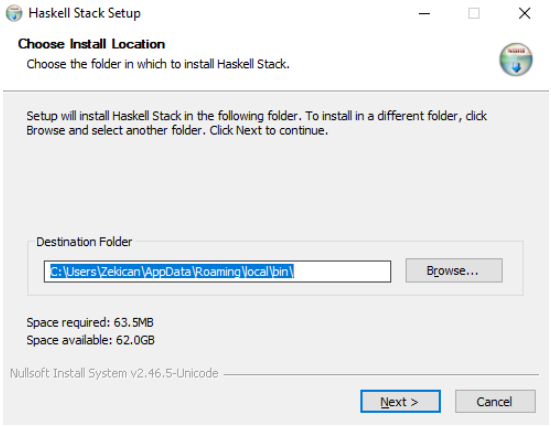
Click Install



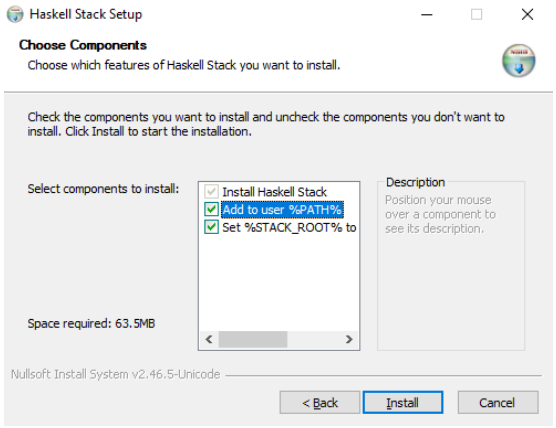
Wait for Installation to end.



While installing the Stack this window will pop-up, leave destination as is and click next.



Make sure you add to user PATH (Middle option has to be selected as shown below) and press install.



3. Starting Out

Windows Button -> Search -> GHCi

4. Simple Arithmetic

```
Prelude> 3  + (5*2) / 2
8.0
```

5. Boolean Algebra

```
Prelude> True || False
True
Prelude> True && False
False
Prelude> True == False
False
Prelude> True /= False
True
Prelude> not False
```

6. Basic Built-in Functions

```
Prelude> min 4 5
4
Prelude> max 10 20
20
Prelude> min 7 (min 5 6)
5
```

References:

Learn You a Haskell <http://learnyouahaskell.com/chapters>