

# Unix & Linux Essentials

## Linux Lab Setup

(All are open source)

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This lab setup has the following steps:

Step 1: Setup with the Linux Operating System

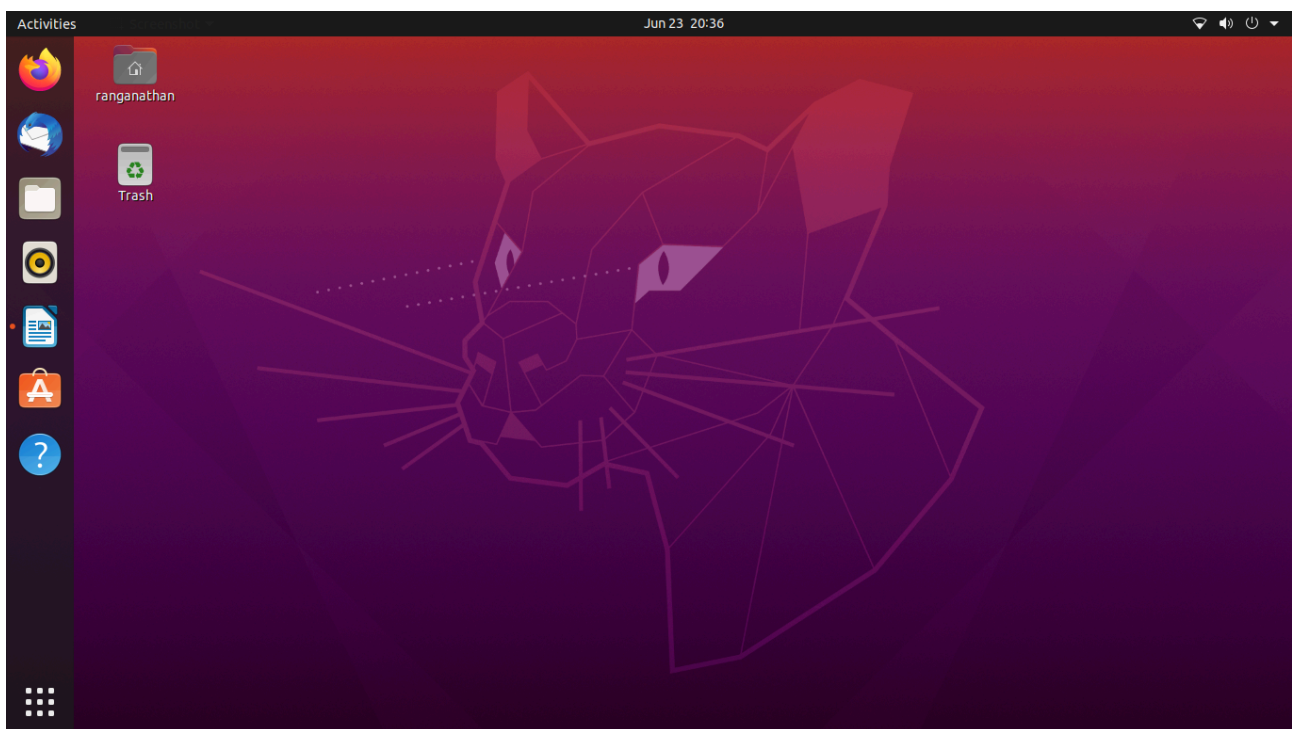
Step 2: Setup with **replit** online

## Step 1:

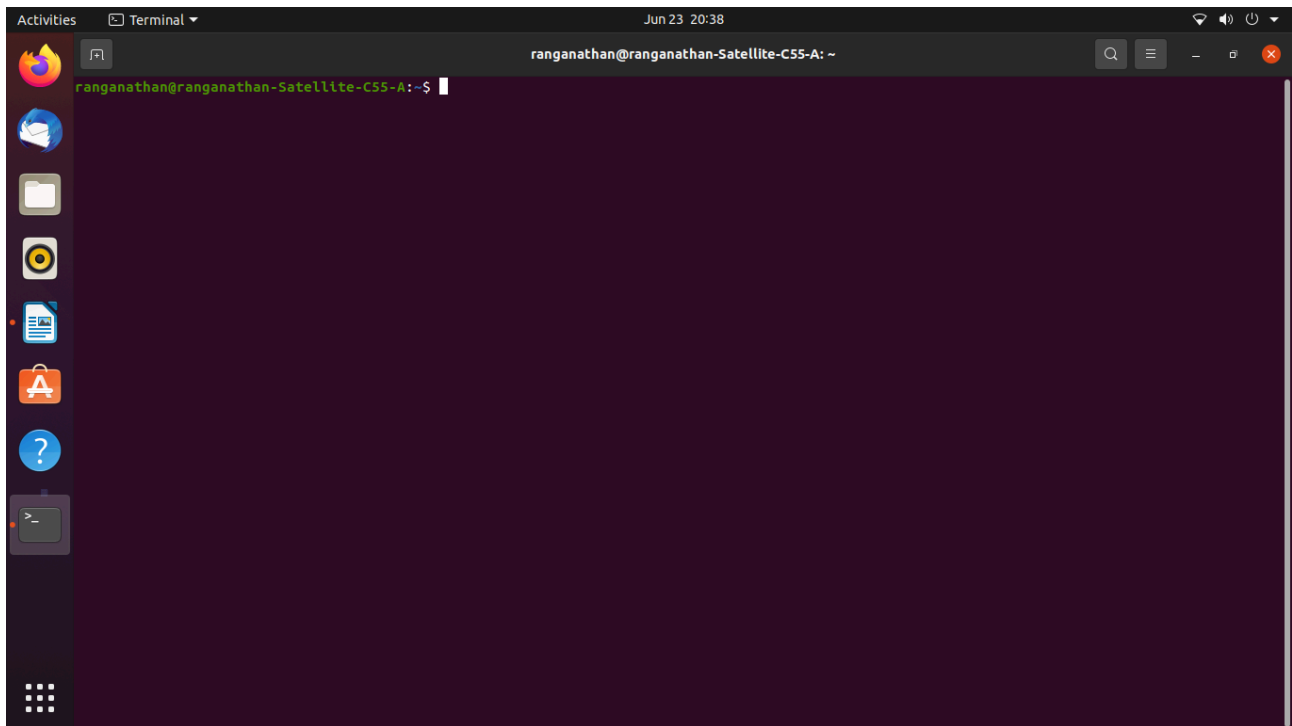
Setup with Linux Operating System

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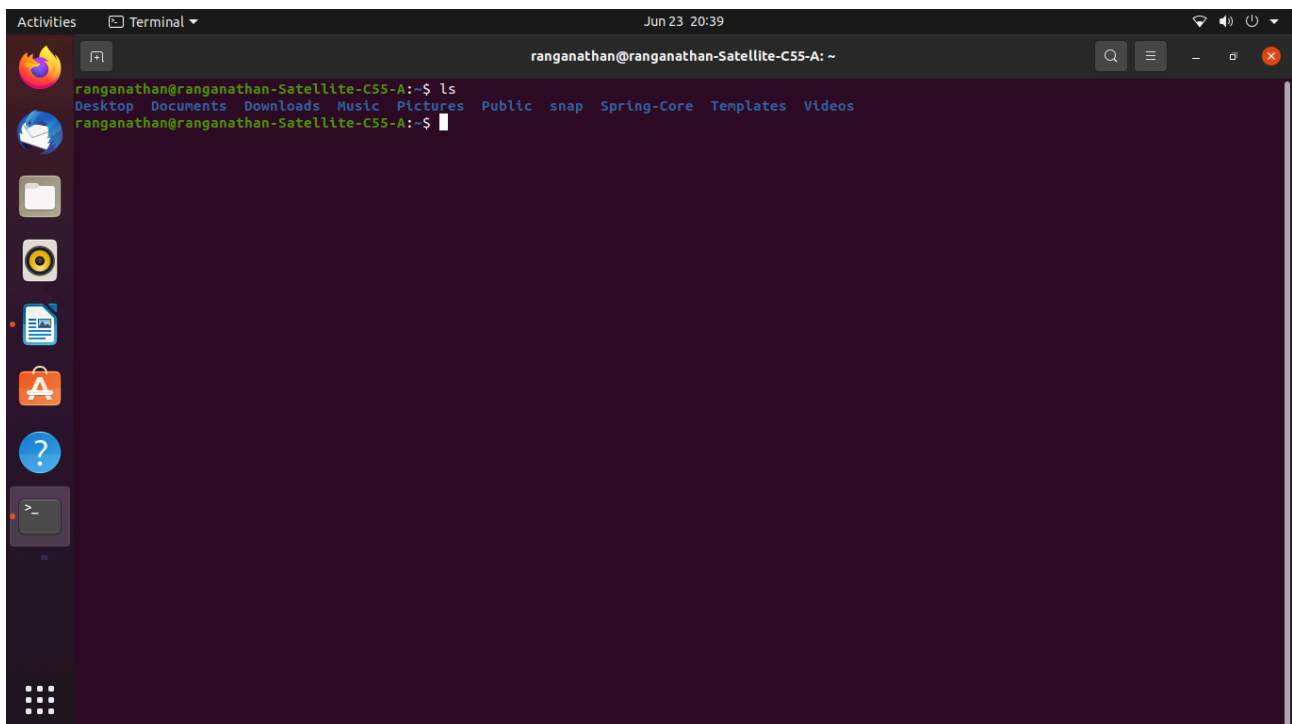
Startup your Linux system



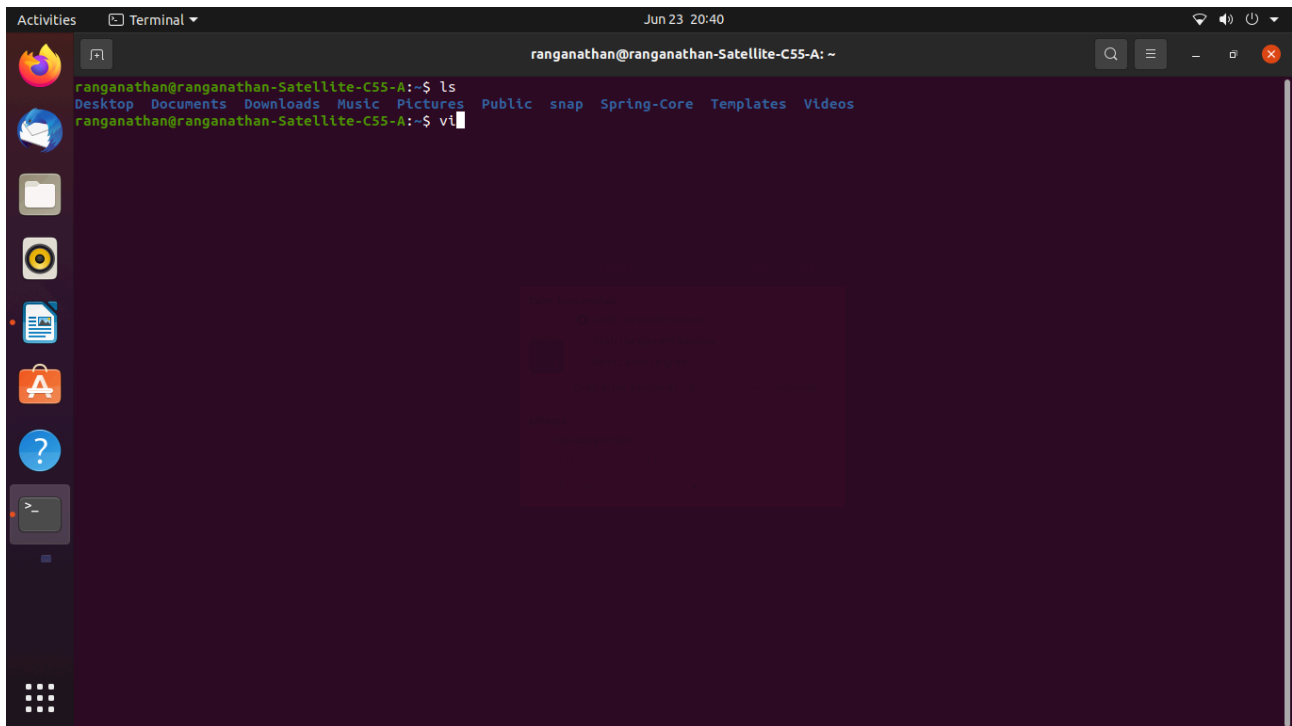
Press `Ctrl + Alt + t` to open the terminal



Type the Unix or Linux command such as `ls` and click Enter



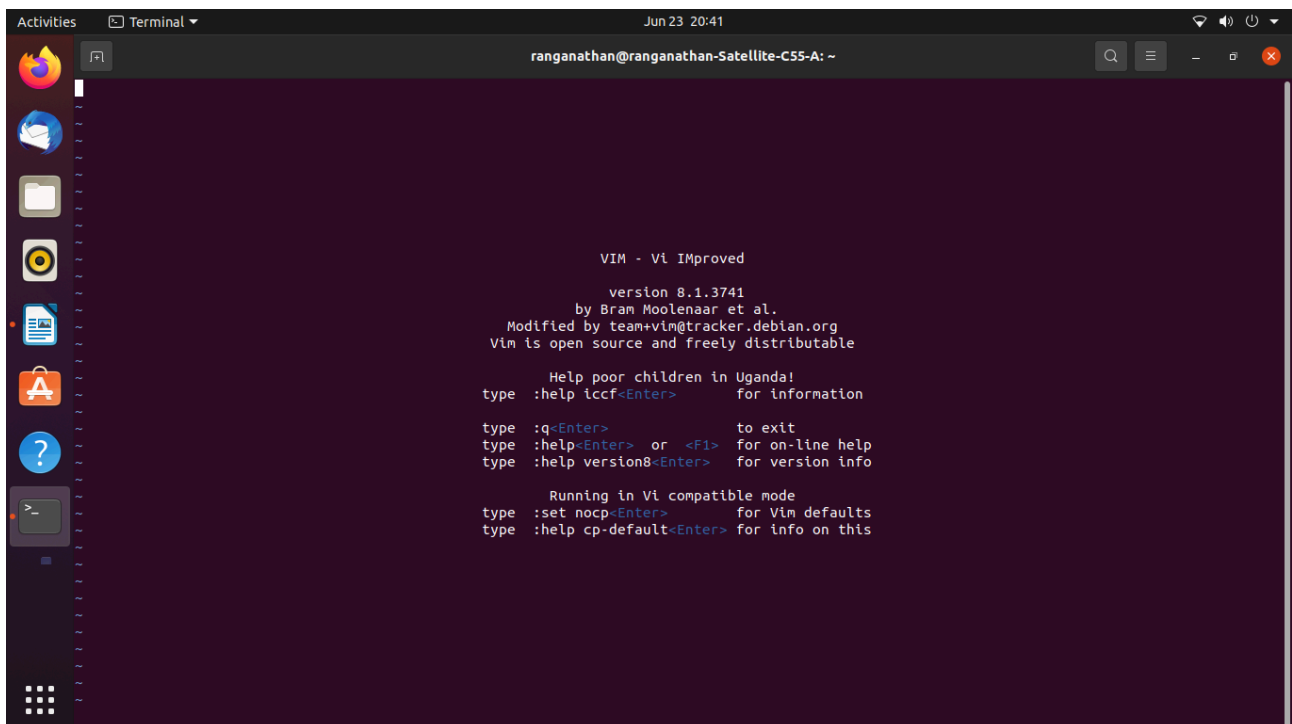
To Open the **vi** editor type **vi** command and press **Enter**



A terminal window titled "Terminal" with a dark background. The prompt is "ranganathan@ranganathan-Satellite-C55-A: ~". The user has entered the command "ls" and the output is displayed: "Desktop Documents Downloads Music Pictures Public snap Spring-Core Templates Videos". The user then enters the command "vi".

```
ranganathan@ranganathan-Satellite-C55-A:~$ ls
Desktop Documents Downloads Music Pictures Public snap Spring-Core Templates Videos
ranganathan@ranganathan-Satellite-C55-A:~$ vi
```

**vi** editor opened



The terminal window now shows the Vim editor's startup screen. The text displayed is as follows:

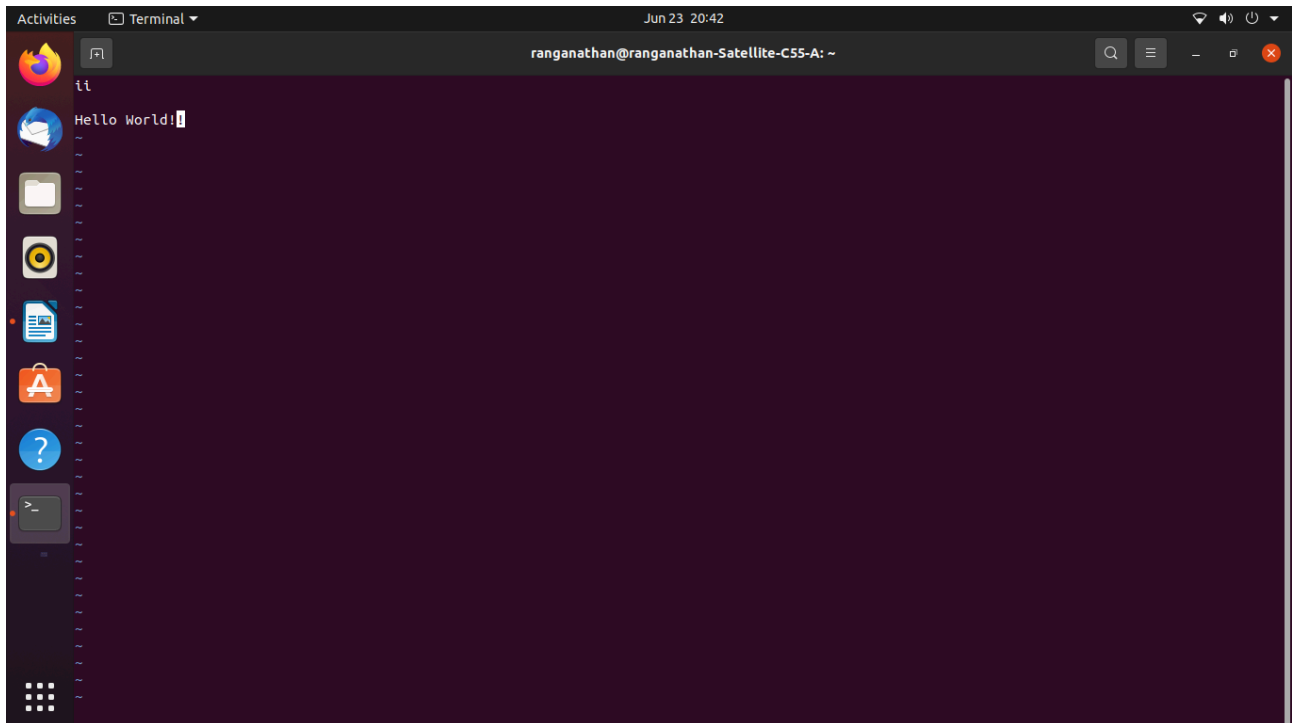
```
VIM - Vi IMproved
      version 8.1.3741
      by Bram Moolenaar et al.
Modified by team+vim@tracker.debian.org
Vim is open source and freely distributable

  Help poor children in Uganda!
type  :help tccf<Enter>      for information

type  :q<Enter>              to exit
type  :help<Enter> or <F1>    for on-line help
type  :help version8<Enter>  for version info

  Running in Vi compatible mode
type  :set nocp<Enter>       for Vim defaults
type  :help cp-default<Enter> for info on this
```

Step 5: To type inside the **vi** editor press **i** to go into the **insertion mode** and start typing



## Step 2:

Setup with **replit** online

Search for “**replit**” in google

The screenshot shows a Google search for 'replit'. The search bar contains 'replit'. Below the search bar, there are several search results. The first result is 'Replit: The collaborative browser based IDE' with a description: 'Replit is a simple yet powerful online IDE, Editor, Compiler, Interpreter, and REPL. Code, compile, run, and host in 50+ programming languages.' Below this, there are links for 'Repl.it - Log In', 'Python Online Compiler', and 'Sign Up'. To the right of the search results, there is a Replit card. The card features the Replit logo, the text 'Replit', and a description: 'தொடக்கம்: 2016', 'ஊழியர் எண்ணிக்கை: 50', 'நிறுவியவர்கள்: அம்ஜத் மசாத், ஹய் ஓடெஹ், ஃபாரிஸ் மசாத்'. Below the card, there are links for 'Codcad', 'Code.com', 'Flexport', and 'Consensus'.

replit - Google Search

https://www.google.com/search?q=replit&xsrf=ALiCzsZLd93ZORdpqeDVmBWoxVo5i017Tg%3A1655982017200&source=hp&ei=wUe0Y...

Google

replit

எல்லாம் படங்கள் வீடியோக்கள் செய்திகள் Books மேலும் கருவிகள்

ஏறத்தாழ 25,40,000 முடிவுகள் (0.49 நொடிகள்)

https://replit.com

**Replit: The collaborative browser based IDE**

Replit is a simple yet powerful online IDE, Editor, Compiler, Interpreter, and REPL. Code, compile, run, and host in 50+ programming languages.

**Repl.it - Log In**

Replit is a simple yet powerful online IDE, Editor, Compiler ...

**Python Online Compiler**

Write and run Python code using our Python online compiler ...

**Sign Up**

Replit is a simple yet powerful online IDE, Editor, Compiler ...

**C++**

C++ online editor, IDE, compiler, interpreter, and REPL - Code ...

replit.com தரும் கூடுதல் முடிவுகள் »

பிறர் இவற்றையும் கேட்டுள்ளனர்

Replit

தொடக்கம்: 2016

ஊழியர் எண்ணிக்கை: 50

நிறுவியவர்கள்: அம்ஜத் மசாத், ஹய் ஓடெஹ், ஃபாரிஸ் மசாத்

கைதுறப்பு

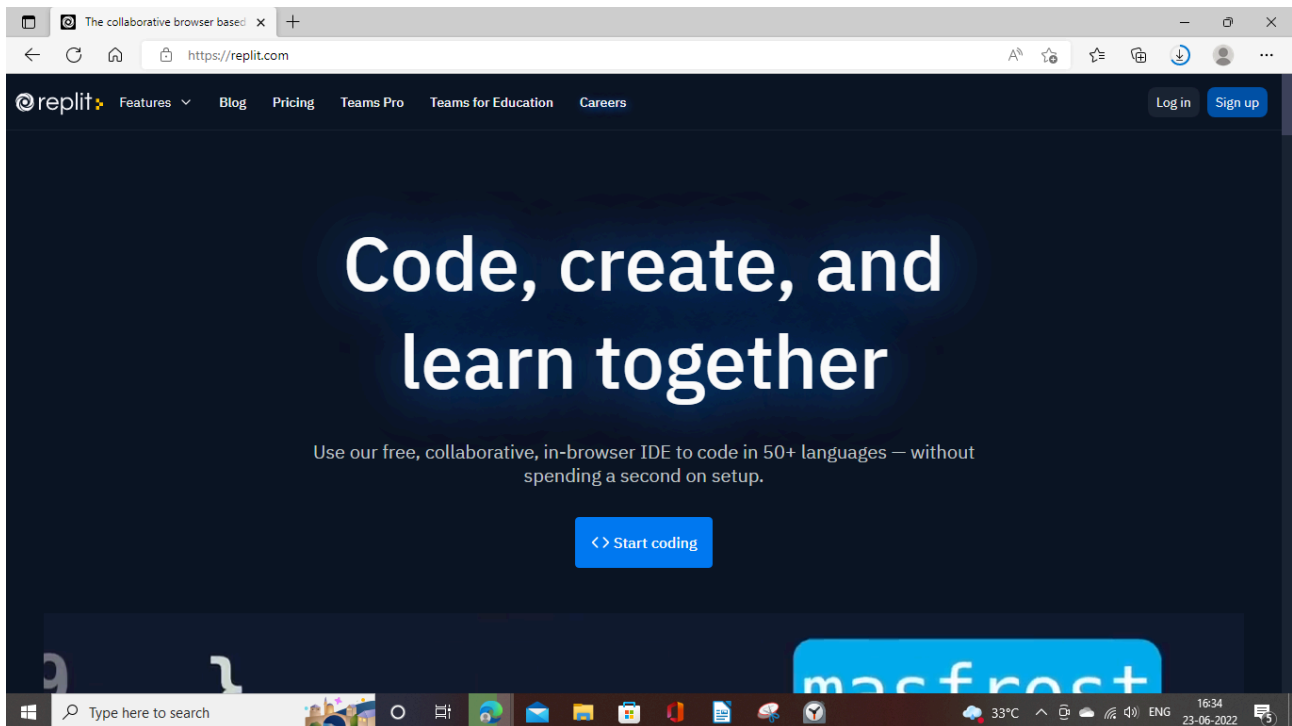
இவற்றையும் தேடுகின்றனர்

3+ மேலும் காண்க

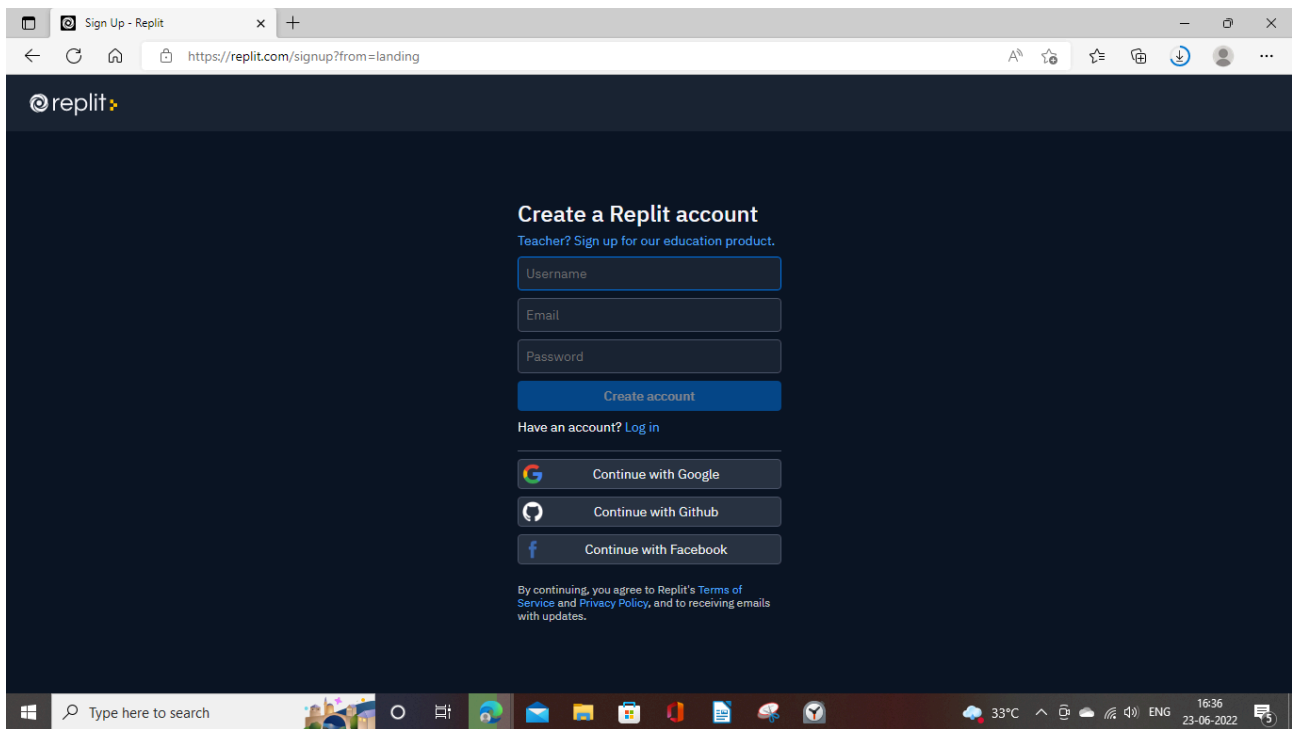
Codcad Code.com Flexport Consensus

33°C 16:32 23-06-2022

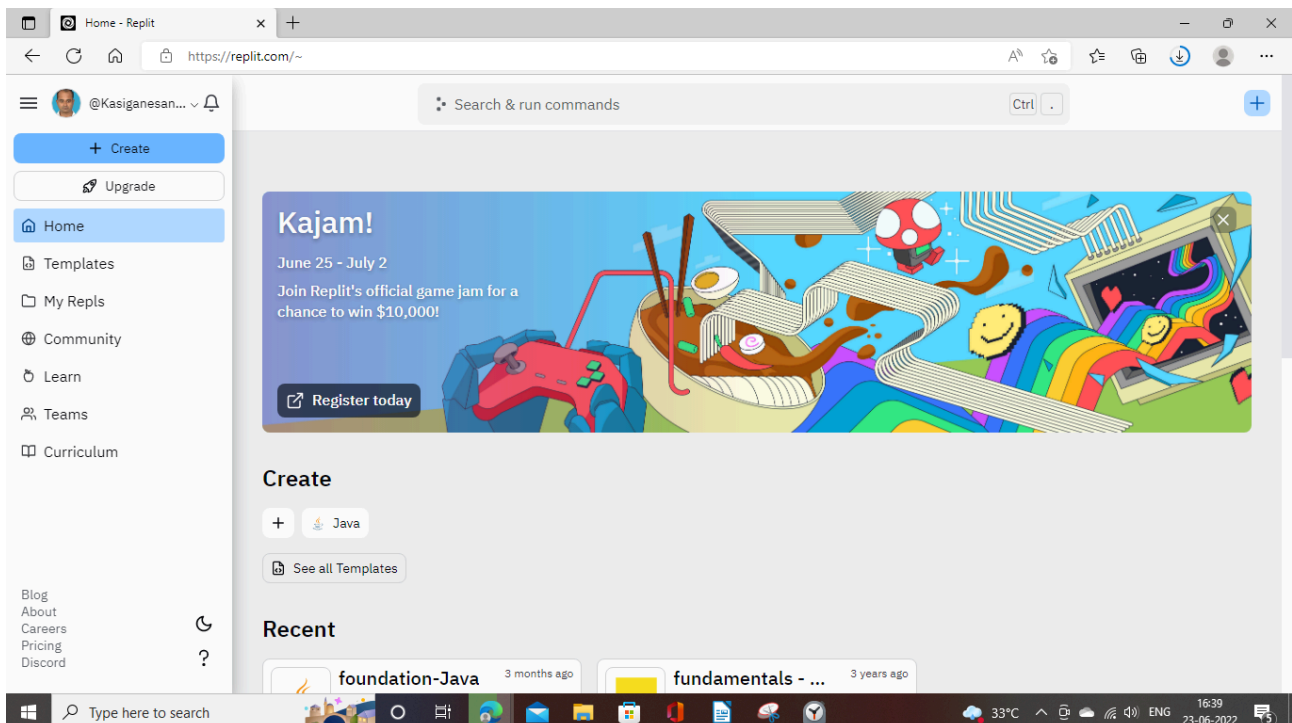
Click on the first link



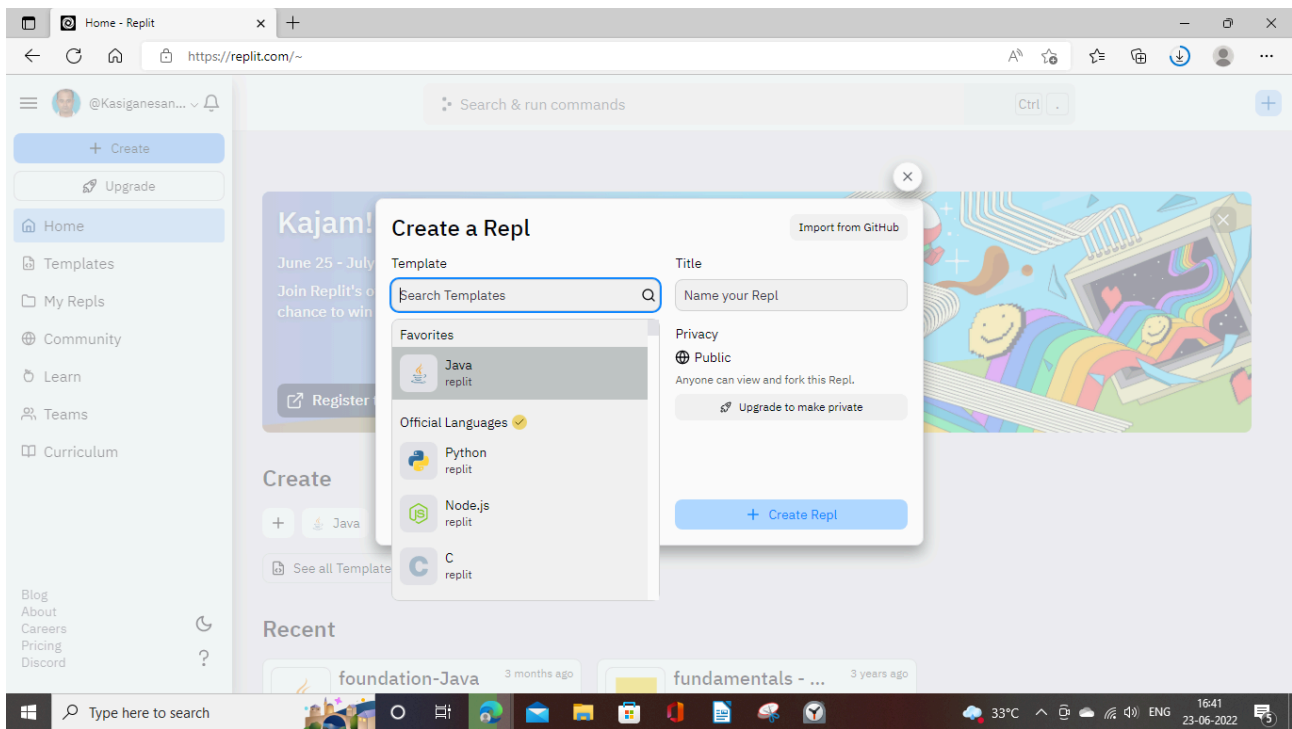
Click on **Sign Up** if you are new to the platform. You can click on **Continue with Google** if you want to sign in with your google account or you can choose the other two ways (Continue with facebook or Continue with Github if you prefer)



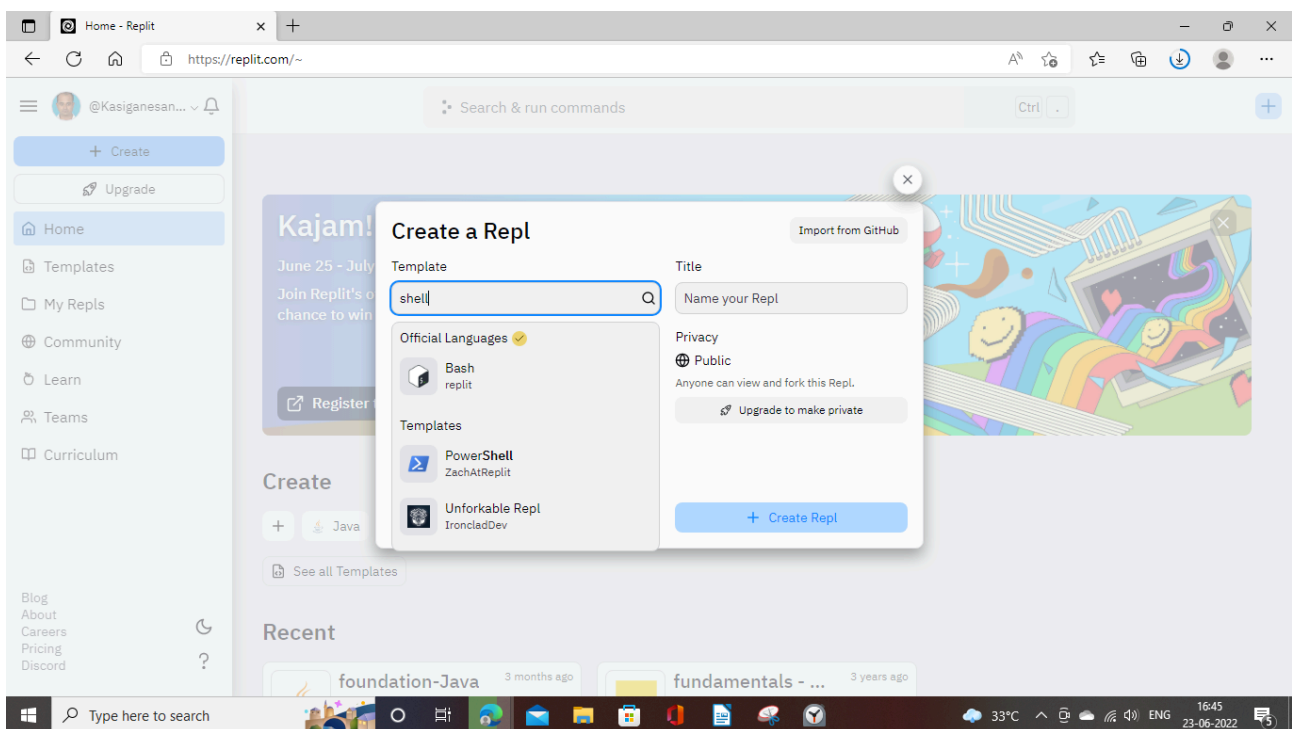
In the resulting page click **+ Create** button to create a new Repl



Will look like this

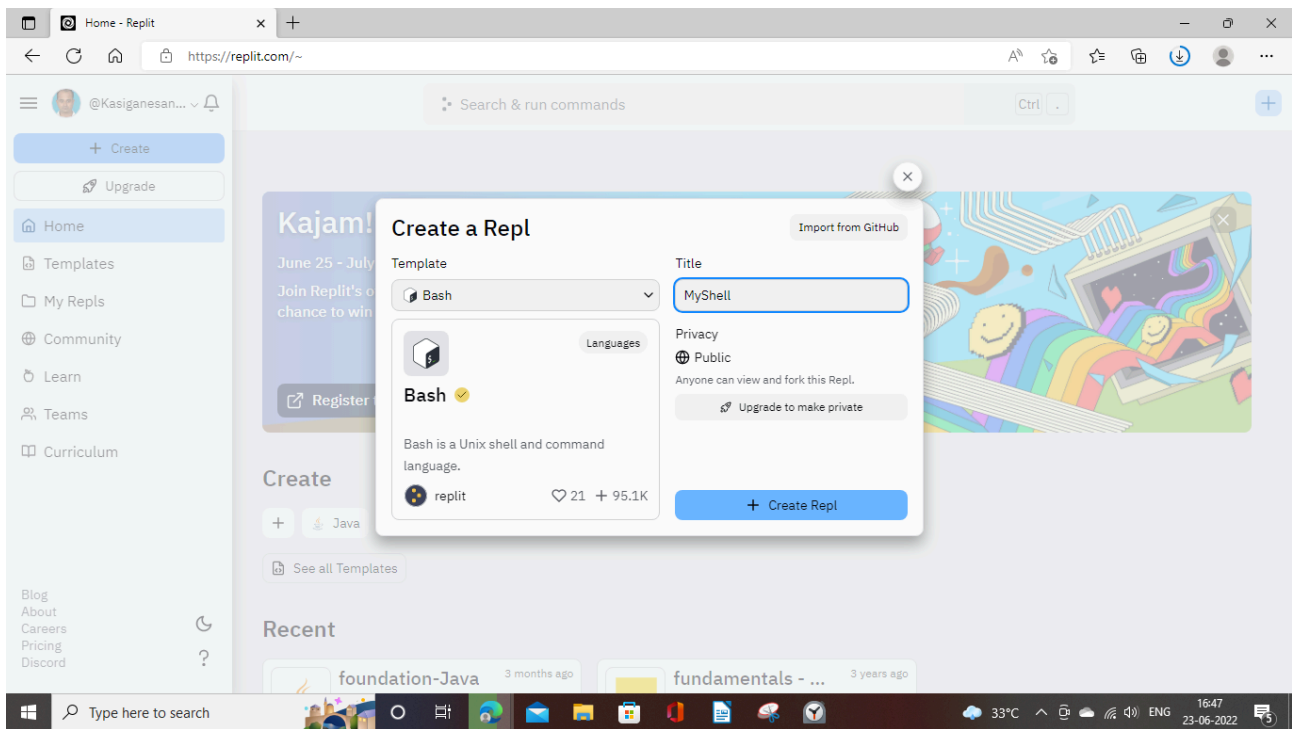


Type **shell** and select **bash** from the available list:

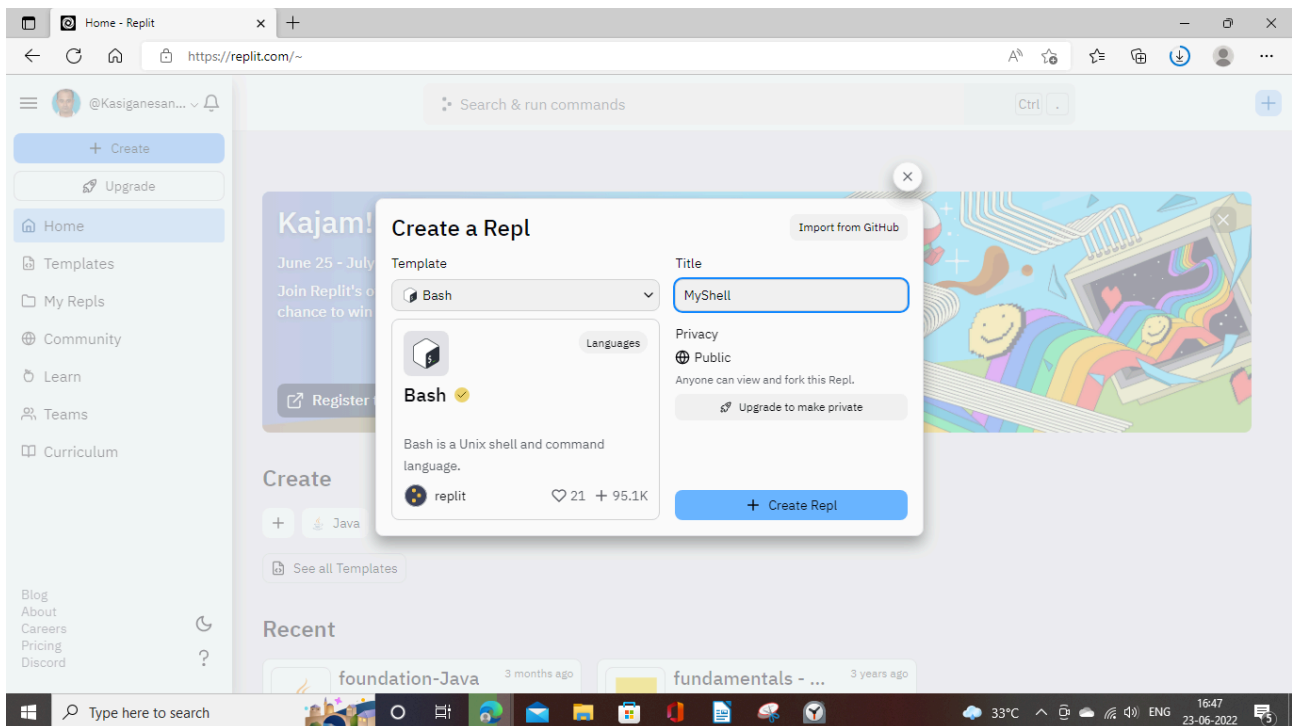


Give a Title as you want.

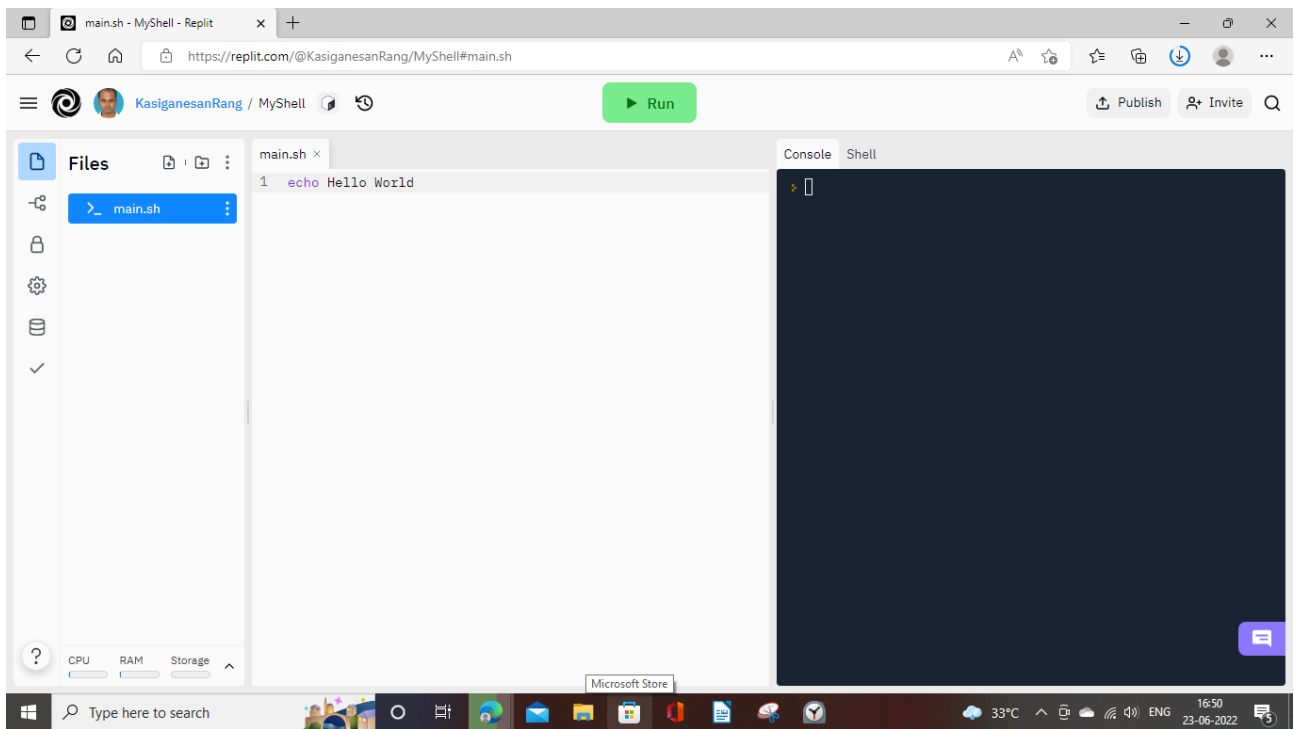




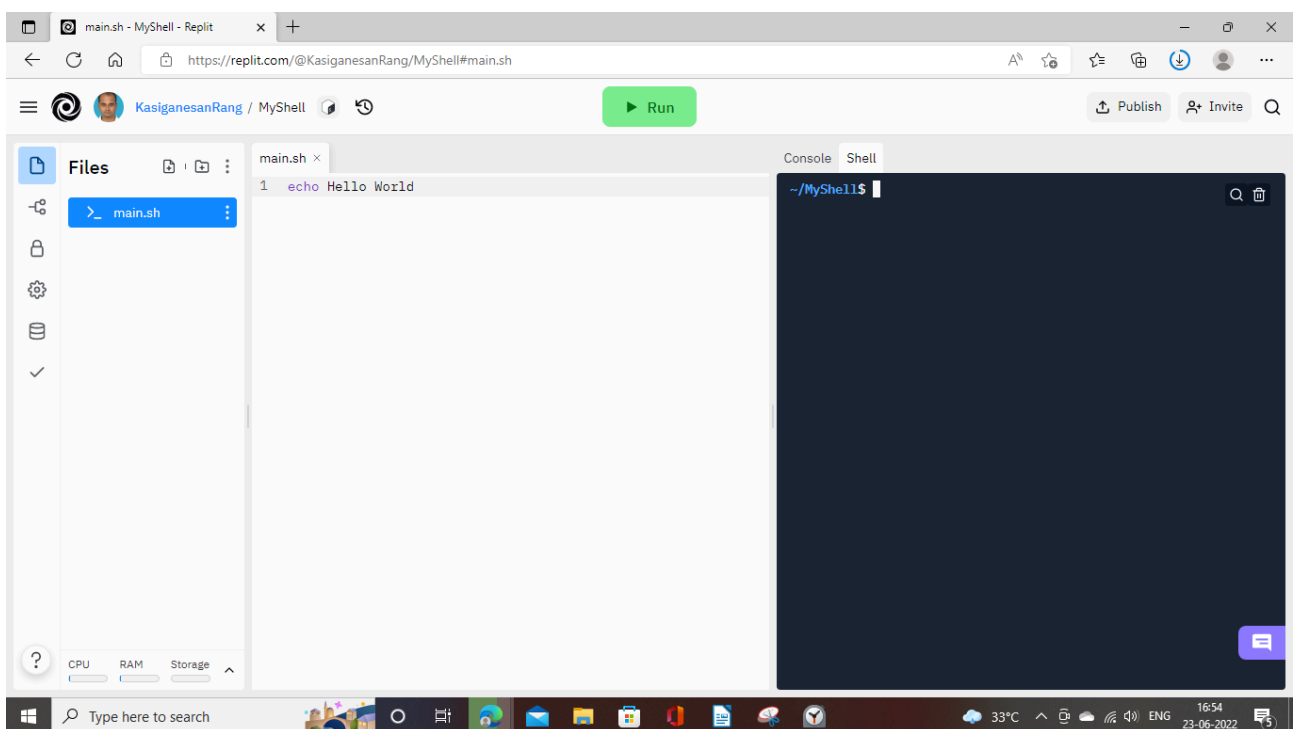
Click the **+ Create Repl** button



Resulting environment will look like this.



Select the **Shell** tab on the terminal window on the right



You can use all commands of UNIX/LINUX comfortably here.

