Programming Fundamentals Lab

Lab # 01

Scratch

Instructor: Fariba Laiq

Email: fariba.laiq@nu.edu.pk

Course Code: CL1002

Semester Fall 2022

Department of Computer Science,
National University of Computer and Emerging Sciences FAST
Peshawar Campus

Contents

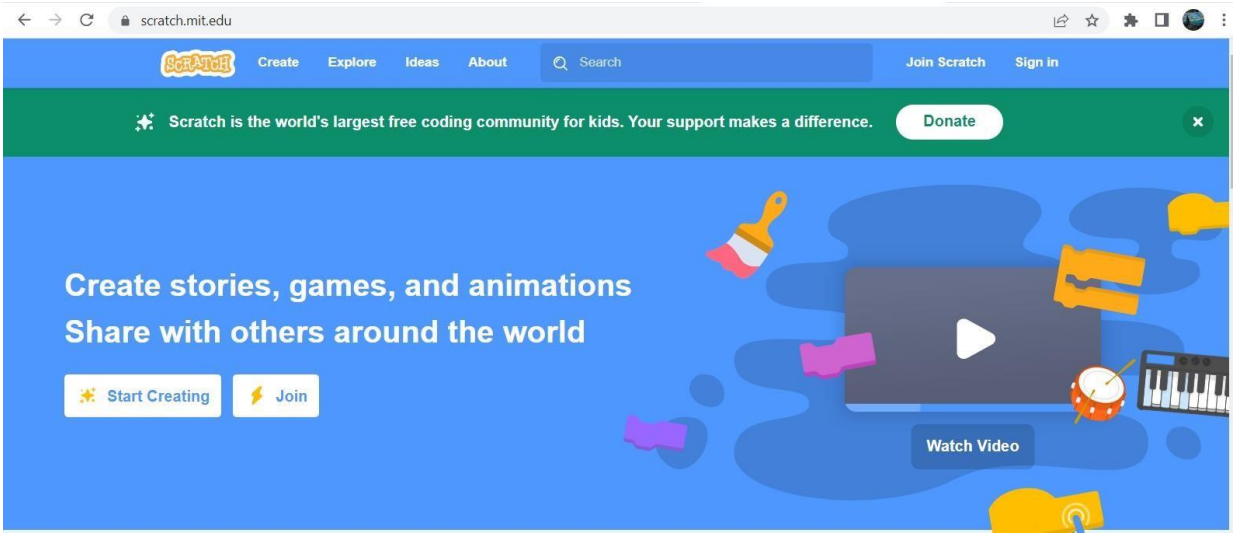
Scratch: 3
Website Link: 3
Create an interactive story 4
Task1: 6
Task 2: 8
References 8

Scratch:

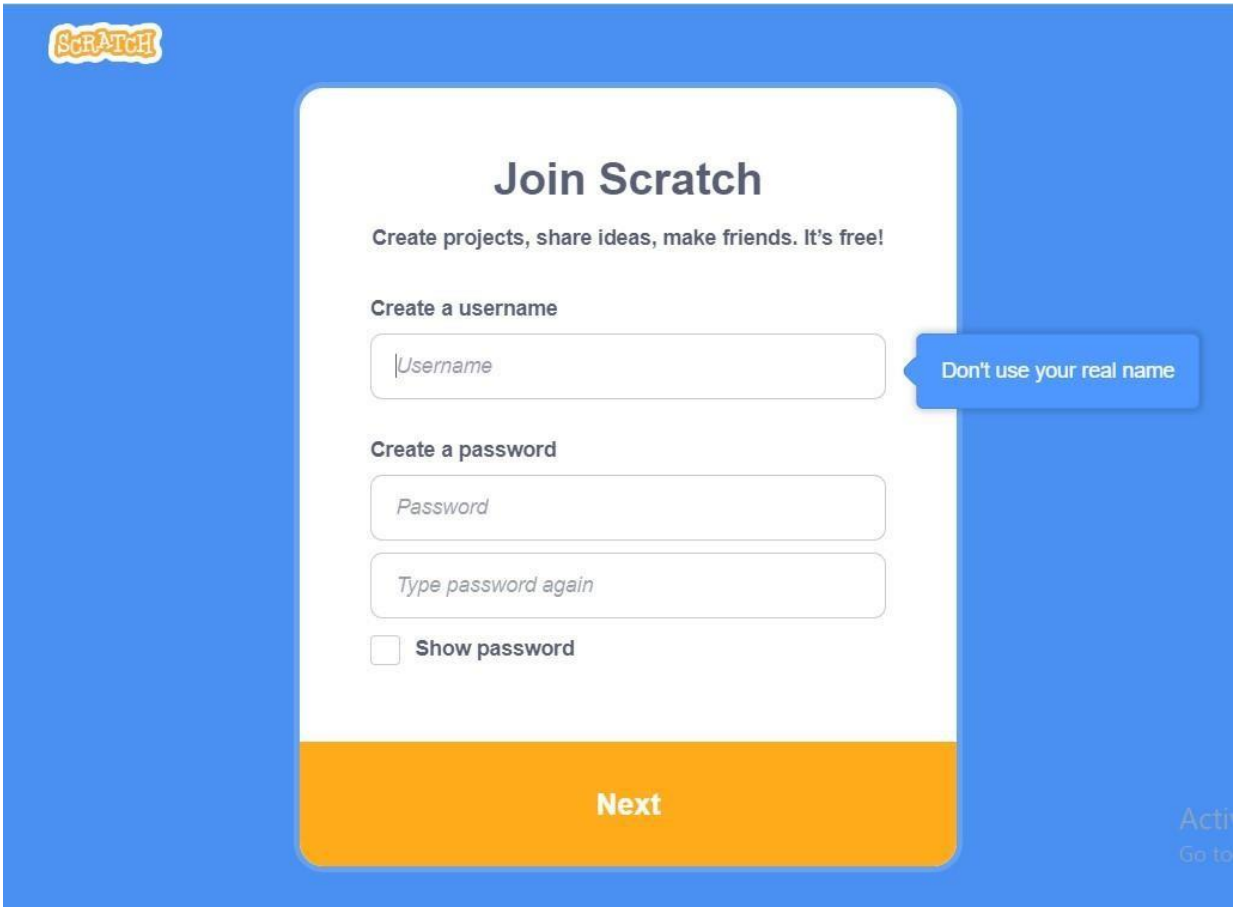
Scratch is a high-level block-based visual programming language and website aimed primarily at children as an educational tool for programming. Users on the site, called Scratchers, can create projects on the website using a block-like interface. It is **a visual programming language that allows students to create their own interactive stories, games and animations**.

Website Link:

https://scratch.mit.edu/

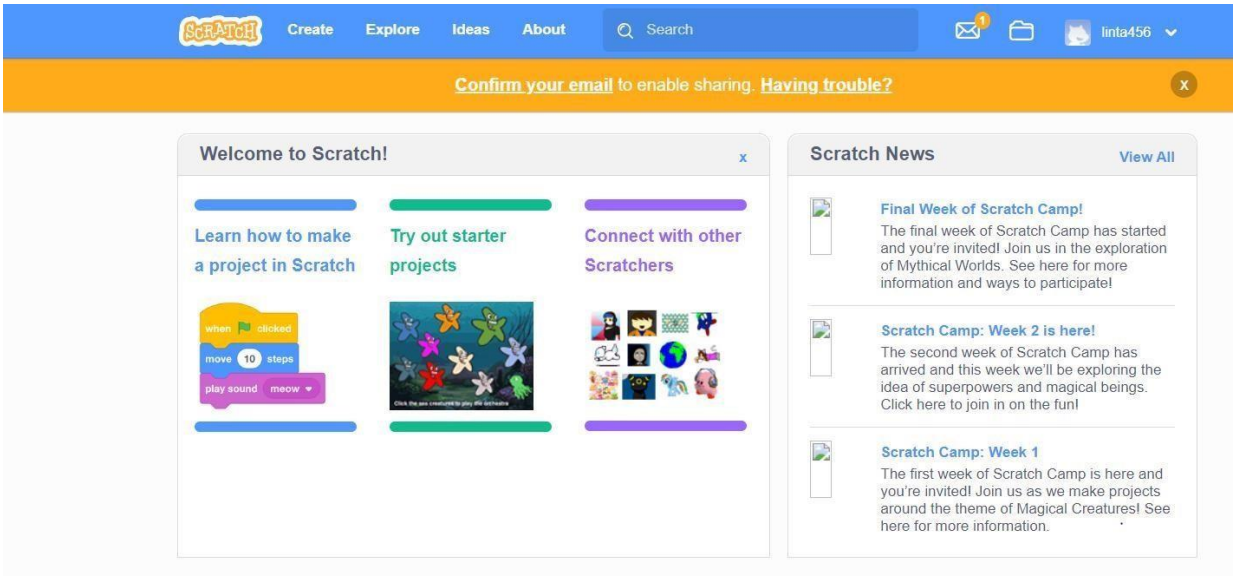


Make your account by clicking on the **Join Scratch** and then fill all the details.

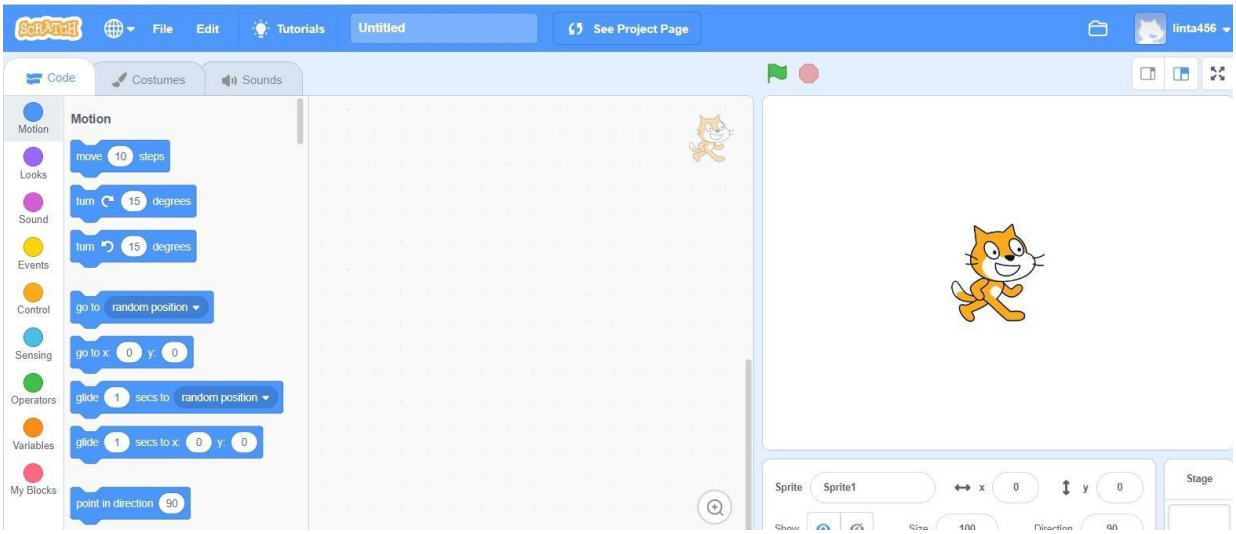


Create an interactive story

Now click on **create** at the top left corner.



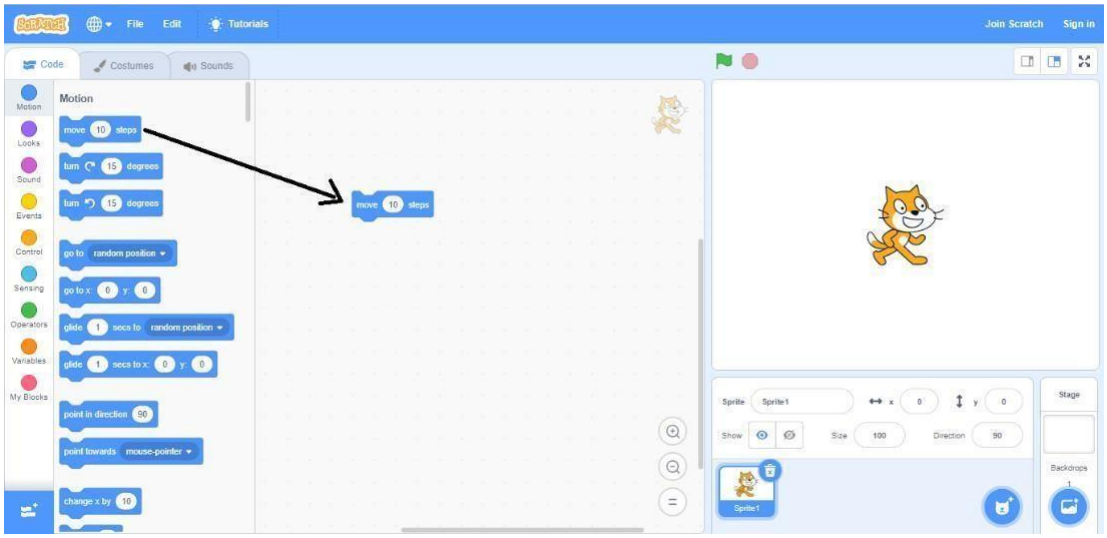
Start creating your blocks!



You can change the **Backdrop** from bottom right

Change the character **Sprite** by clicking on cat face logo

Drag the **Move** block in script area



Task1:

Create an interactive story in which there is a witch and a broom (2 sprites) with a Woods backdrop. The witch moves forward and when it touches the broom, it says “I found a broom. Let’s fly!”. And then stop the script here. Below are the pictures for references.

Task 2:

Create any interactive story that includes the sprite and the backdrop of your choice. Use different blocks to make your story creative and interactive. Let's see what's in your mind!

References

https://scratch.mit.edu/ https://en.wikipedia.org/wiki/Scratch_(programming_language)