

# Introduction to Scratch

## Programming

### Unit 3

### Grade 9 - ICT

20/07/2020



# SCRATCH



- SCRATCH is a new programming language that lets you create your own interactive stories, animations, games, music, and art.
- Scratch is a block-based visual programming language and website targeted primarily at children.
- To download scratch, go to the link <https://scratch.mit.edu/download/scratch2>





- In Scratch, sprites (objects) are manipulated on the stage (background) using various scripts (small program segments).
- Each sprite has its own set of scripts to control its behavior and how it interacts with other sprites and events.



- Users of the site can create online projects using a block-like interface.
- The service is developed by the MIT Media Lab, has been translated into 70+ languages, and is used in most parts of the world.

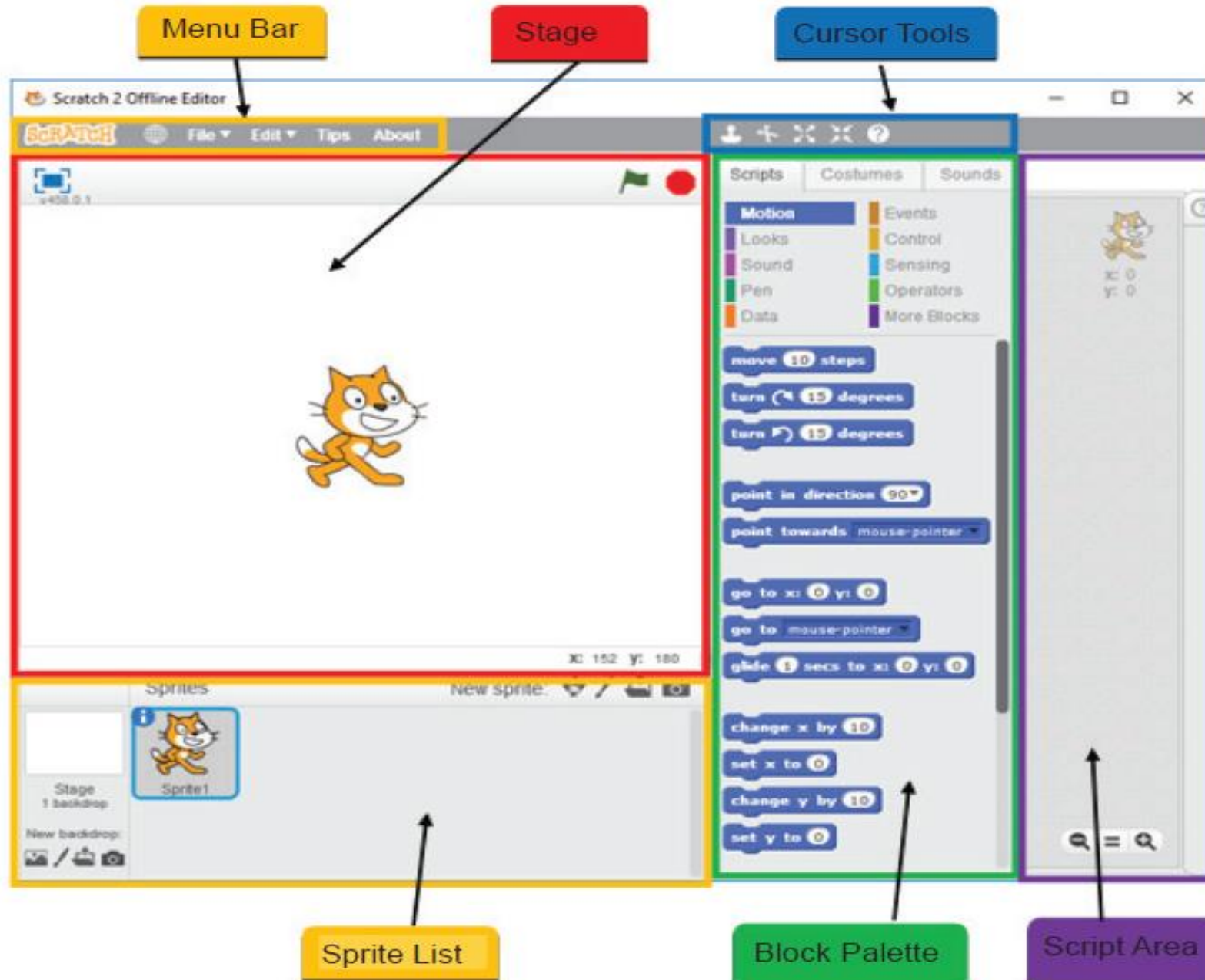


# Programming in Scratch



- Programming consists of snapping together individual blocks of pre-existing actions to create a script.
- A program can be as simple as a single block or consist of multiple blocks stacked together that will run as a unit.

# Scratch 2.0 Visual Development Environment

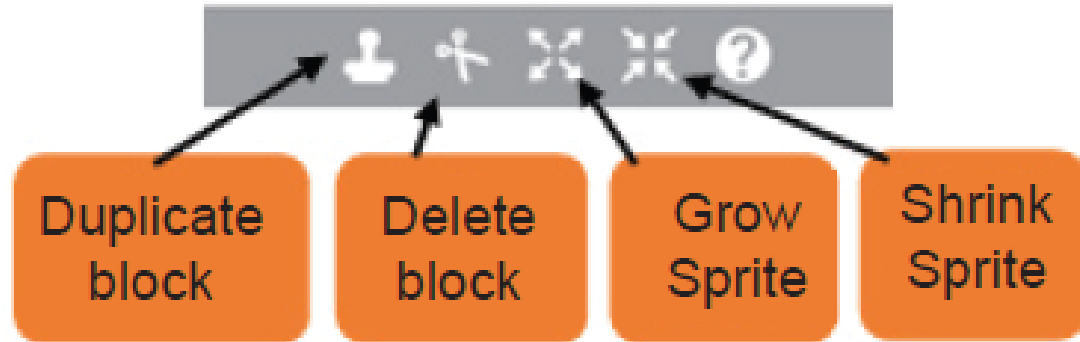


# Cursor tools in Scratch

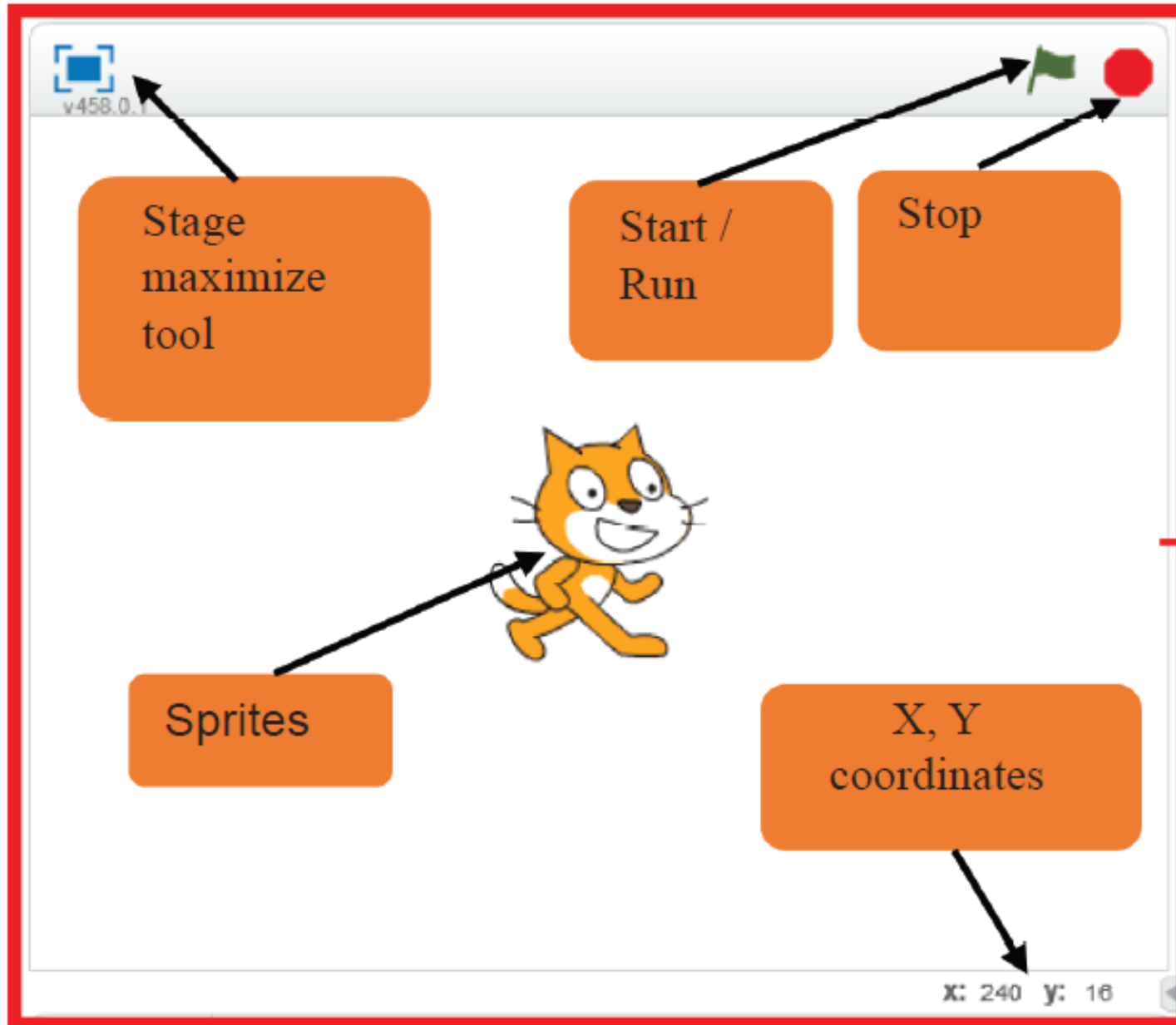


## Cursor Tools

Sprite and blocks control tools

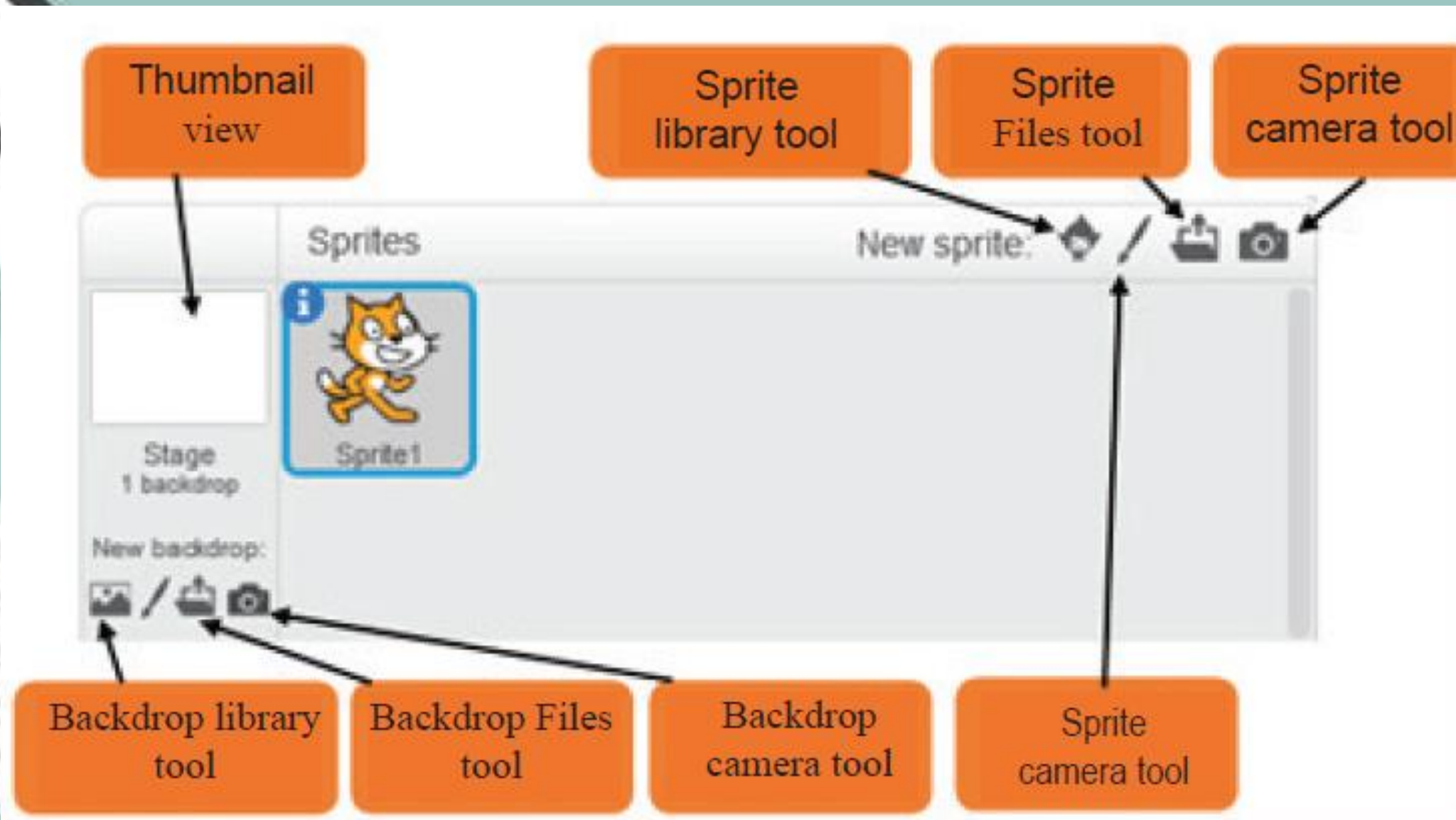


# The Stage





# Sprite List

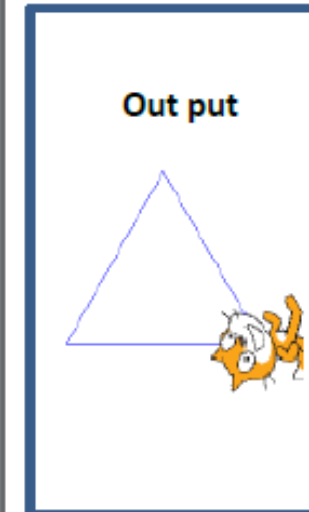
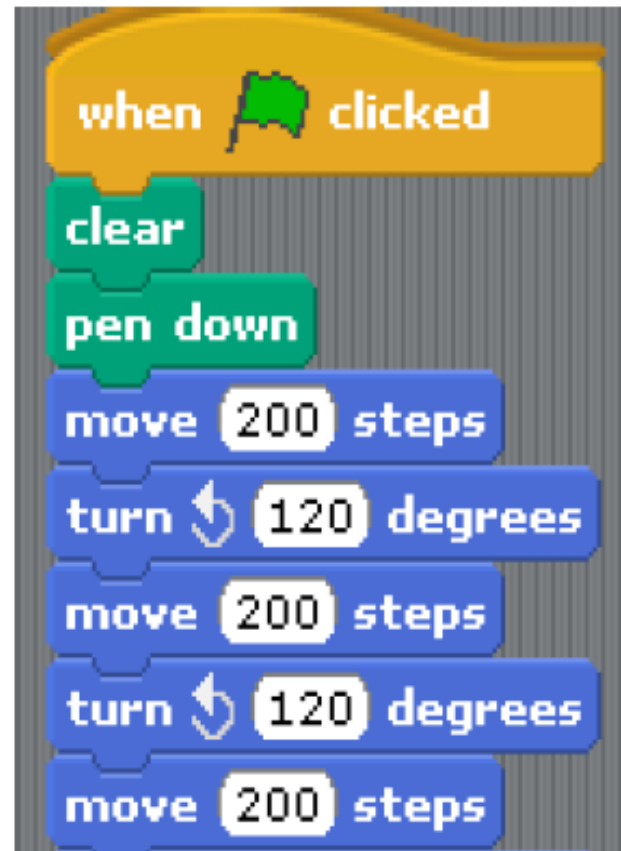
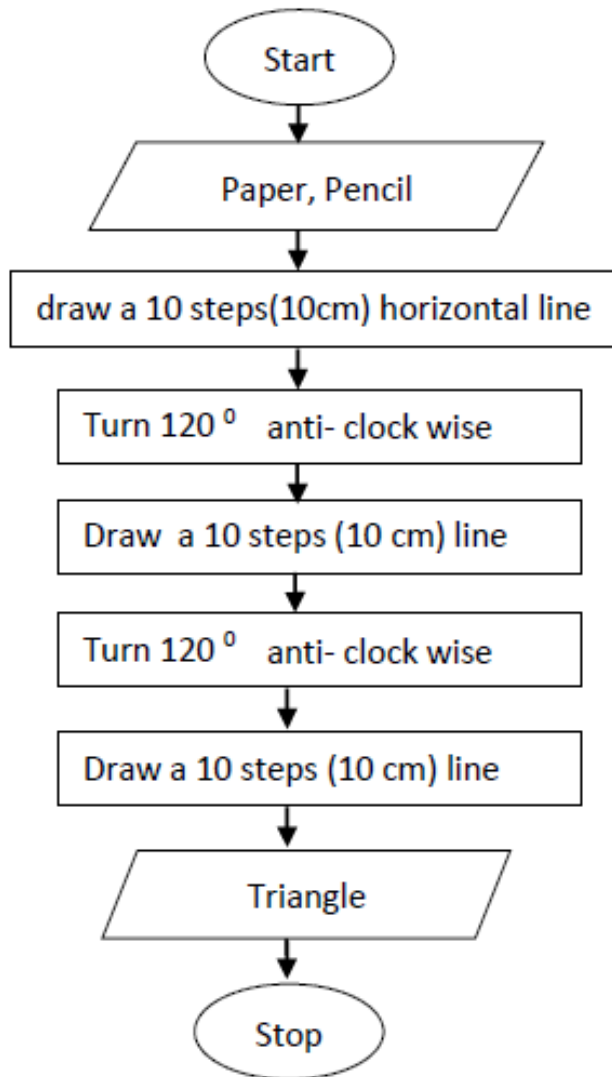




# Development of programs with Sequence



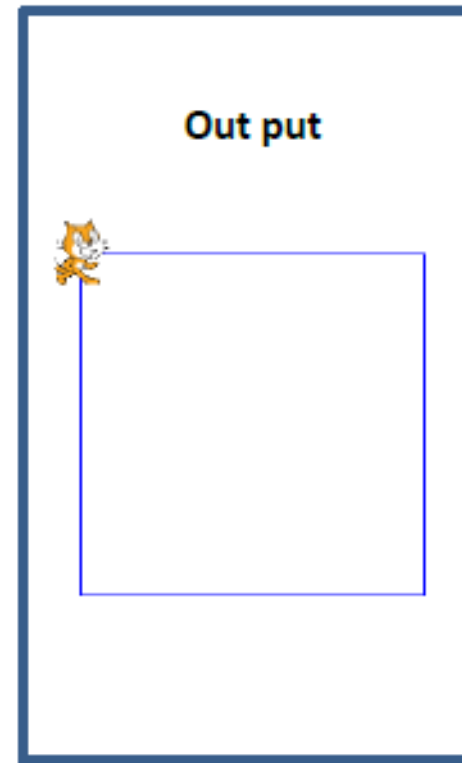
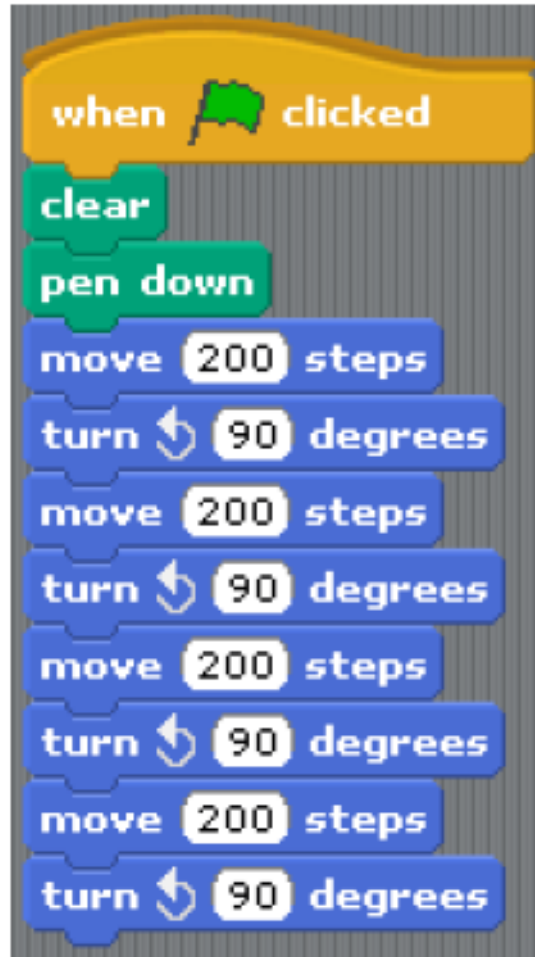
## Example 1: Draw a Triangle



# Development of programs with Sequence ...



- Example 2 : Draw a Rectangle



**Have a nice day....**

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