# ACTIVITY SHEET

session 1 Introduction to PictoBlox



In this activity, we are going to understand and use some blocks in PictoBlox to create a script. The script will make a walking animation of Tobi on the stage of PictoBlox.

This activity sheet belongs to

#### MATERIALS REQUIRED

□ Computer / Tab / Laptop with PictoBlox Installed.

### **PICTOBLOX INTERFACE**

PictoBlox is a graphical programming software based on Scratch blocks and is the ideal companion for setting the first step into the world of programming.



#### **STEP-BY-STEP**

Follow the steps below:

- 1. Create a New file in PictoBlox. Follow the steps if you are working on *Windows, macOS, or Linux*:
  - 1.1. Open PictoBlox and create a new file.
  - 1.2. Select the coding environment as Block Coding.
- 2. Open the Events palette and drag and drop the when flag clicked block into the scripting area. The when flag clicked block is a special type of block called hat block. It is used to start a script. Using this particular hat block you can run the script by clicking on the green flag above the stage.
- **3.** Next, open the **Control** palette and drag and drop the **forever** block below the **when flag clicked** block. This block is used when you want a set of blocks to keep running until the script is stopped manually.
- 4. Then, open the Motion palette and drag and drop the move () steps inside the forever block. This block is used to move the sprite by a specified number of steps. In our case, it is 10.
- Next, open the Control palette and drag and drop the wait () seconds block below the move () steps block and change the delay value to 0.1 seconds.
- 6. Open the Motion palette and drag and drop the if on edge, bounce block inside the forever block. This block detects whether the sprite has touched the edge of the stage or not and change the direction if it has.
- Go the Motion palette and drag and drop the set rotation style () below the when flag clicked block and select left-right from the drop-down.









when clicked set rotation style left-right forever if on edge, bounce move 10 steps wait 0.1 seconds STEP 7

The script is now complete! Run it by clicking the green flag.

## SAVING THE PROGRAM

1. To save the program, click on File > Save As.

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2. A window will pop up. Choose the location as Desktop or any other relevant folder. Name the file **Tobi Walking**.

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**3.** Click on Save. The file is saved with a .sb3 extension on your computer.