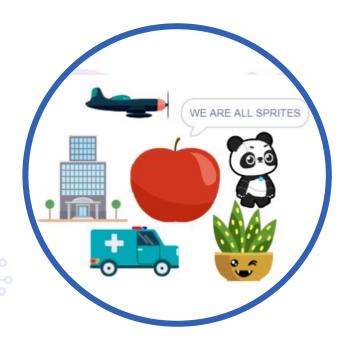


Lesson 2 – Getting Started with Sprites





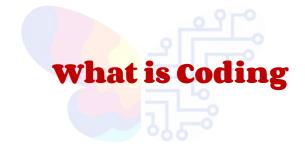
Note for Faculty

- 1. The next four lessons will lay the stage for all future learning. They are thus very important.
- 2. Do not be in a hurry, & kindly spend time on them if required.
- 3. Be as interactive as possible.
- 4. Prepare your questions for each slide.
- 5. Think of the questions, as well as the answers that children may come out with.
- 6. Prepare all your answers using examples from the daily life of a child.
- 7. Annotate them in the master copy of your book.



















When I was created, my brain was empty









It was then loaded with instructions to help me take actions & work for humans like you











Let me give an ex of one work I was coded to do









I was told

IF room temp goes over 27 degree

THEN put AC on.





In the same way:



When I was Born, I knew:

IF I cry, THEN I get attention.







This language of IF & THEN in my case is called... learning by Correlation.







& in the case of a robot

This language of IF & THEN is called - Coding.









What is a Sprite









In Coding Language images like these --

that need to be coded to execute desired actions



are called **SPRITES**









Children

Can you now show me a few Sprites around you?











Let us now Start Our Coding Journey

















& MOVE around























What do we need to Code this Sprite (boy)

















"To start with, stand on the left side of a bed.
When Green Flag is Clicked,
Move to the other side of the Bed"



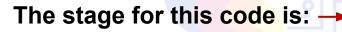


It is a place on our screen, where Rohan execute the story for us to see.

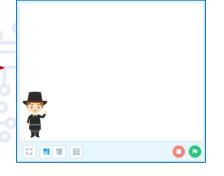








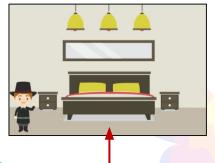
As per the story Rohan is standing at the left.











To make it realistic

we also need a Background for the stage





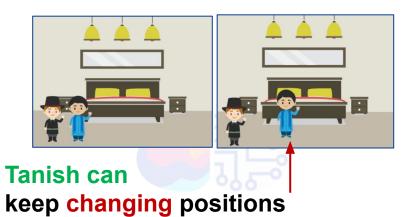




Rohan can also have his brother Tanish with him

It all depends on our story.





It again depends on our story.

BDS CONNECT







We could totally Change the sprites

It again depends on our story







The stage can also keep changing backgrounds

This will also depend on our story







Code is a set of instructions Rohan & Tanish can follow.





















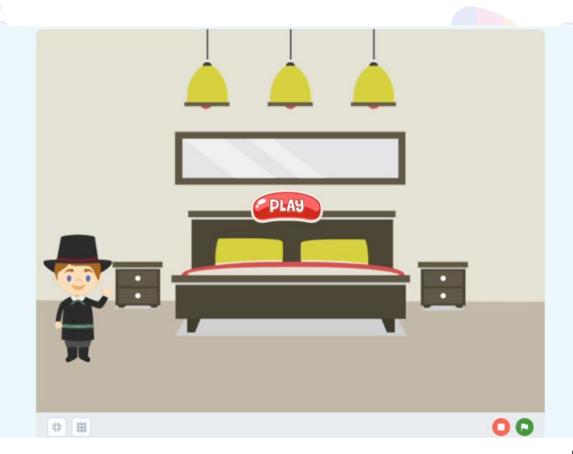
when clicked move 400 steps

Together they make a two line code.

Let us now see a video on the code run.





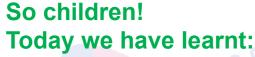




What did we see?

We saw that when green flag was clicked. Rohan came from one side of the bed to the other. In other words - He did what he was coded to do.





- What is Coding
- What are sprites
- What is a story
- The need for a stage
- The need for a background
- How does a two or three line code look like
- & finally, we also saw Rohan perform for us



To Consolidate

Can you all, as per your imagination, now:

Draw one sprite for me

Make a two line story for it

Draw what a stage for this story will looks like

Put the story in two or three lines







Code Karega India Badhega

