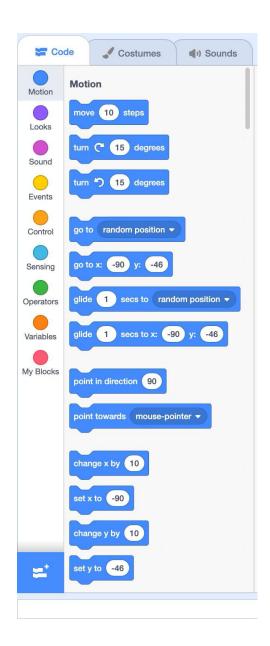


All About Scratch

By Rishivandhan Musuvathi

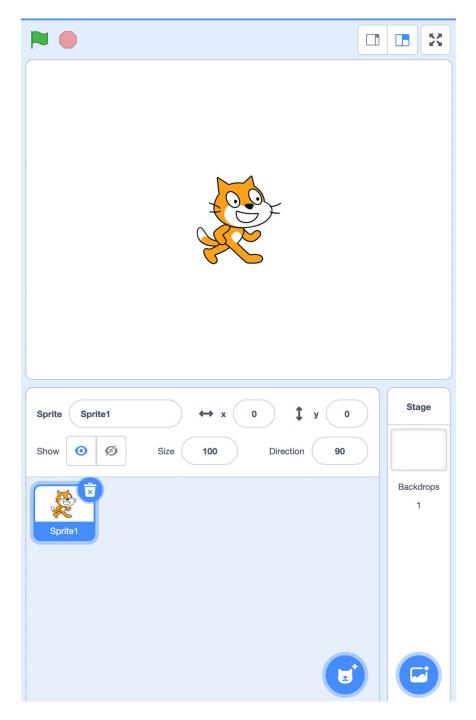
What is Block Coding

- Block coding is the first step into learning programing games and more
- They are generally used to create games and apps.
- There are multiple platforms where you can do block coding.
- The picture on the right shows couple of blocks used in scratch.
- These blocks are used to make any games you wish to make using scratch.



The Stage

- The Stage is where all of you coded blocks perform.
- Some Of the things you could do with a stage are:
 - 1. control your character using your mouse in the stage.
 - 2. change the name of the character
 - 3. change the location of the character
 - 4. change the size of the character
 - 5. change the direction of the character
 - 6. add more characters.
 - 7. change the background.

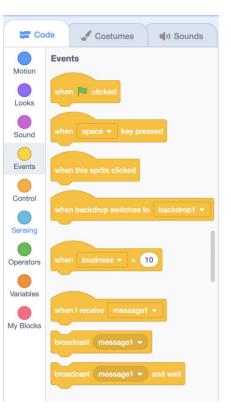


Event Blocks

 These are blocks used when you want to start your program

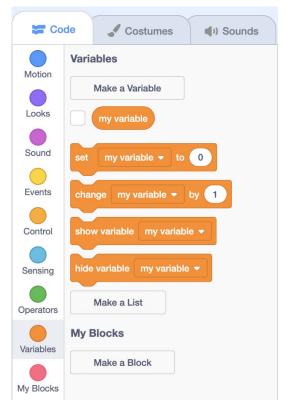
there is at least one event block found in every

program.



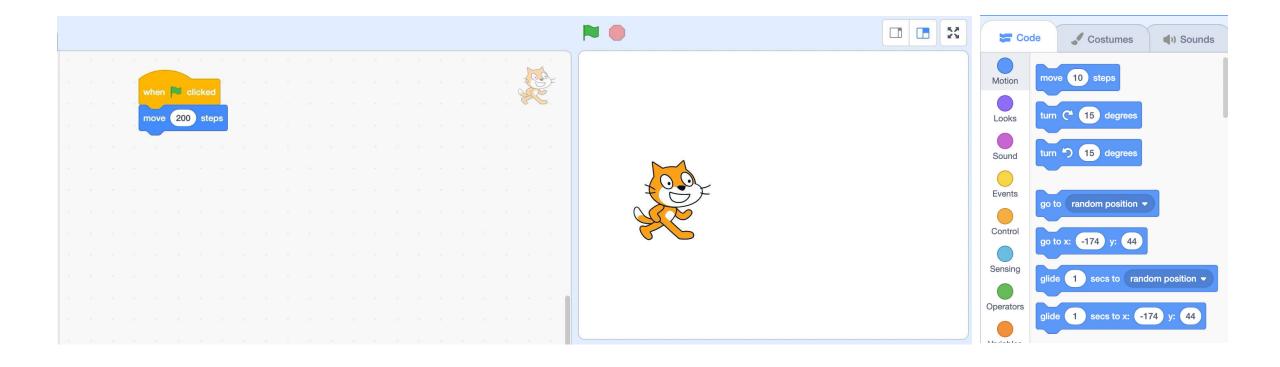
Variable Blocks

- Variables are block that you can make and store information in.
- Many people make variables to keep track of score or keep track of a timer, etc.
- They are very useful when you want to keep track of something



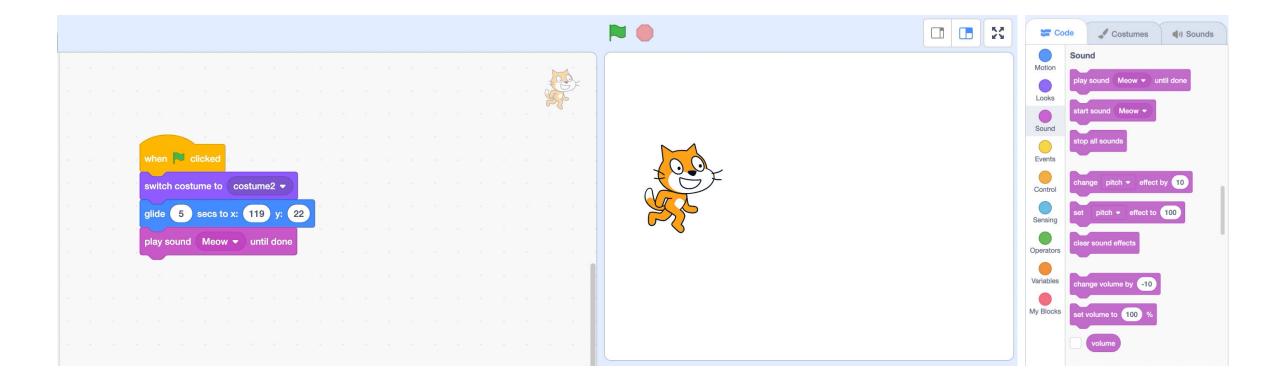
Motion Blocks

- These block change the movement of the sprite
- These blocks help your character move from one spot of the stage to another spot.

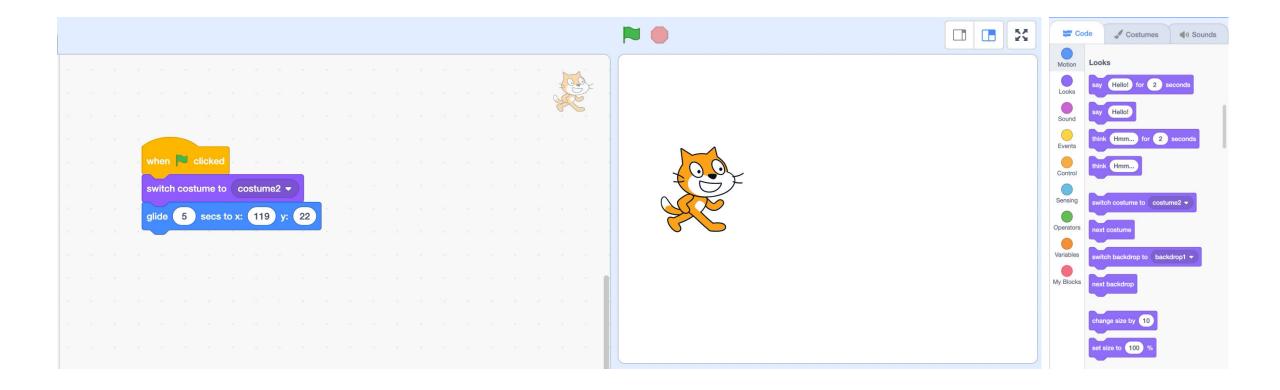


Sound Blocks

- These block gives your spirit a voice
- It can play any sound you can find in the scratch data base.

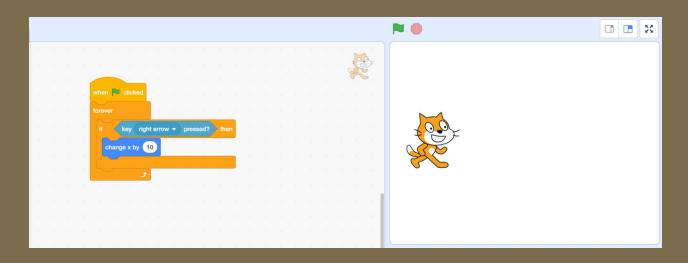


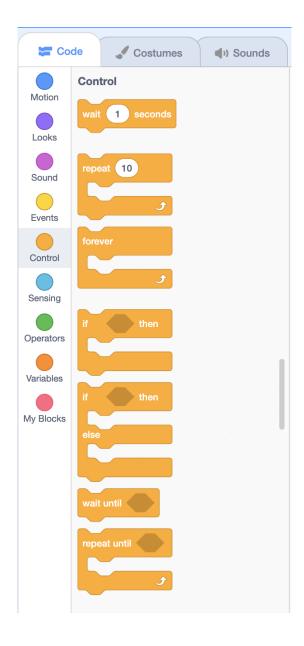
- **Looks Block**
- These block changes the way your character (sprite) looks during your program.



If or else Statements

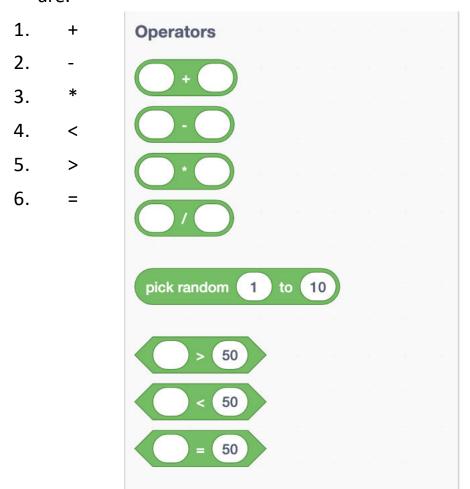
- If or Else statements are conditional statement
- These statements can be seen in almost every coding languages
- If given condition is true, then it will result in the given result



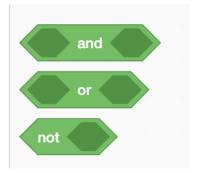


Operators

• There are different types of operators in scratch and they are:



• Using operators in if-else statements



 There are different conditions like these shown above that can be used in if-else statements

- Sensing
- These blocks are mostly used inside other blocks.
- These are called Parameters
- They set a boundary or a limit to what a conditional statement can do.



Kahoot time!

https://create.kahoot.it/share/scratch-basics/a6db581e-85bd-4cc4-920c-04c139cd403d