



Minecraft coding

Topic 1.1

Minecraft Bedrock Introduction

Presented by Advaspire Team



Today's Topic

- 1. Get started with Minecraft Bedrock**
- 2. What is command in Minecraft?**
- 3. How to do basic control in Minecraft?**
- 4. Command today: Teleport command**

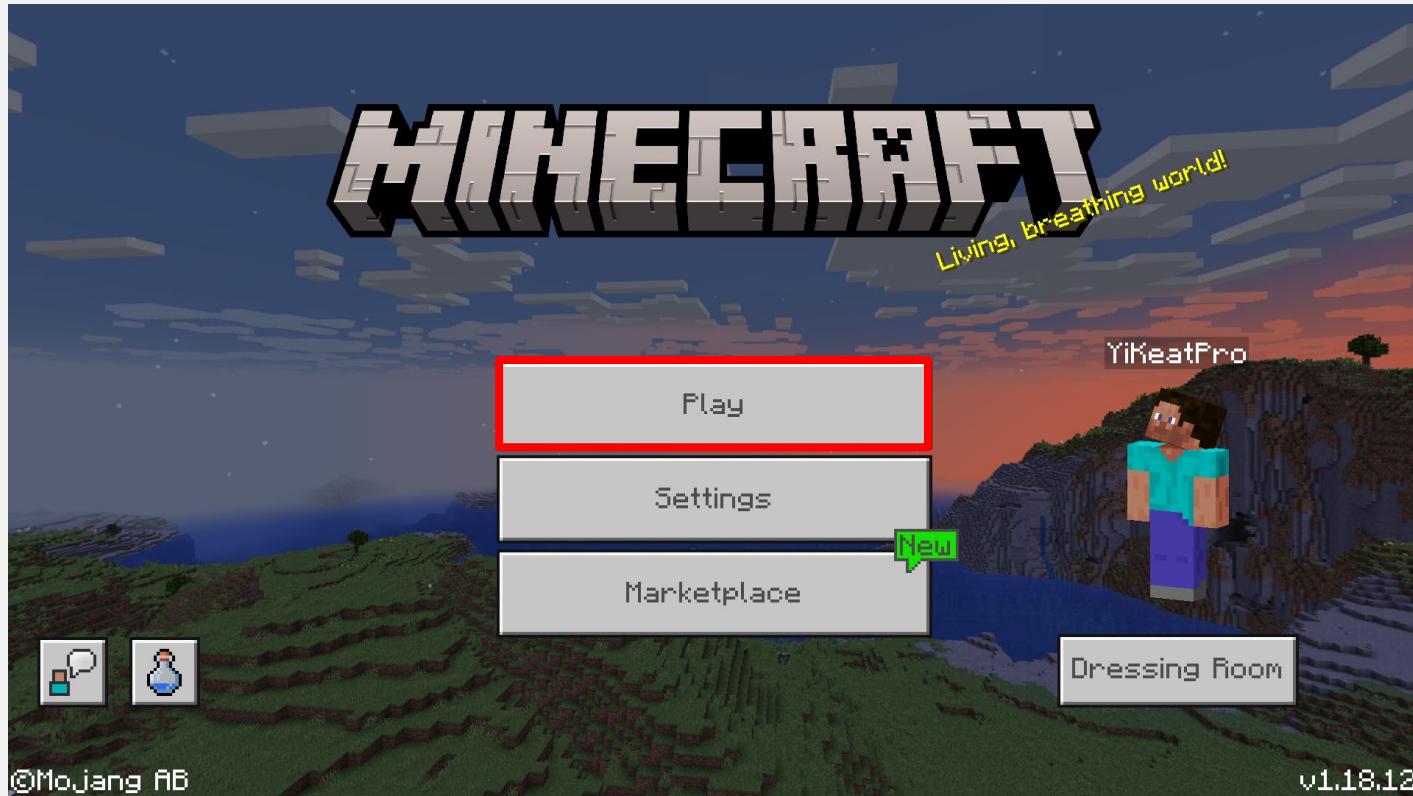


Learning Outcome

- 1. Able to do basic control in Minecraft**
- 2. Understand what is the use of command block**
- 3. Understand how to use teleport command**



Get started in Minecraft Bedrock Edition



When starting up Minecraft, you will see this page on your screen.
Click the “Play” to start creating your map.



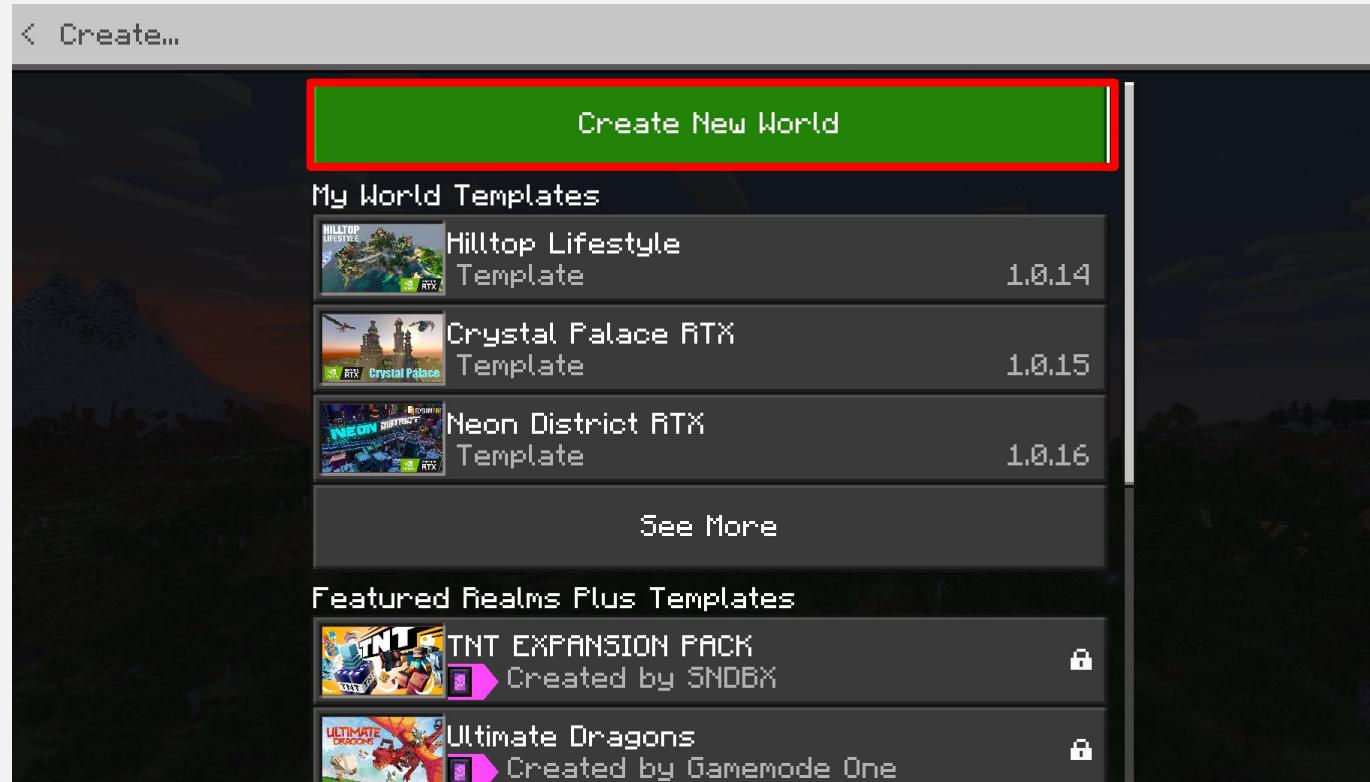
Create a “Flat” World



Select “Create New” to create a new world.



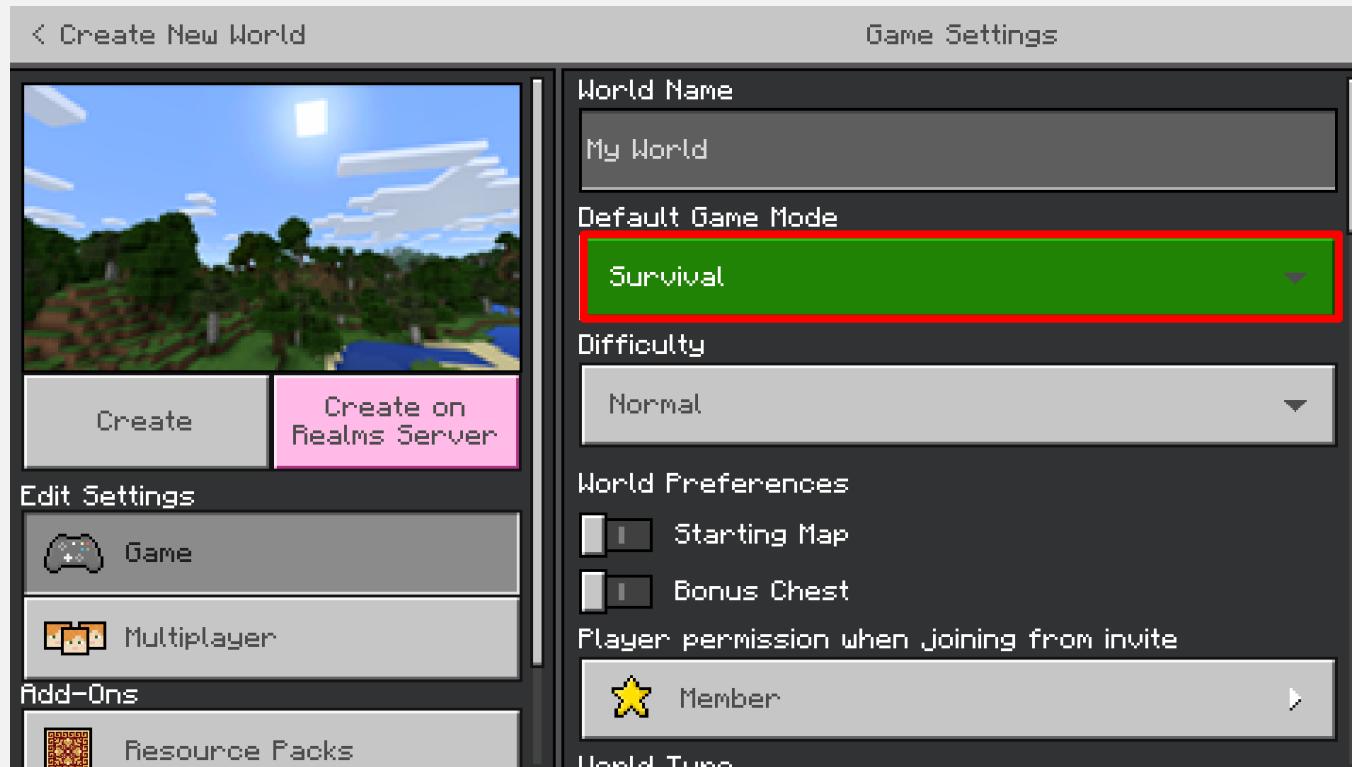
Create a New World



Select “Create New World”.



World Setting



We are going to do some setting before we click “Create”.



World Setting

Default Game Mode
Creative

Player permission when joining from invite
Operator

World Type
Flat

World Options

- Friendly Fire
- Show Coordinates

Cheats

- Activate Cheats

We need to set the following settings:

1. Default Game Mode >> Creative
2. Player Permission >> Operator
3. World Type >> Flat
4. Show Coordinates >> ON
5. Activate Cheats >> ON



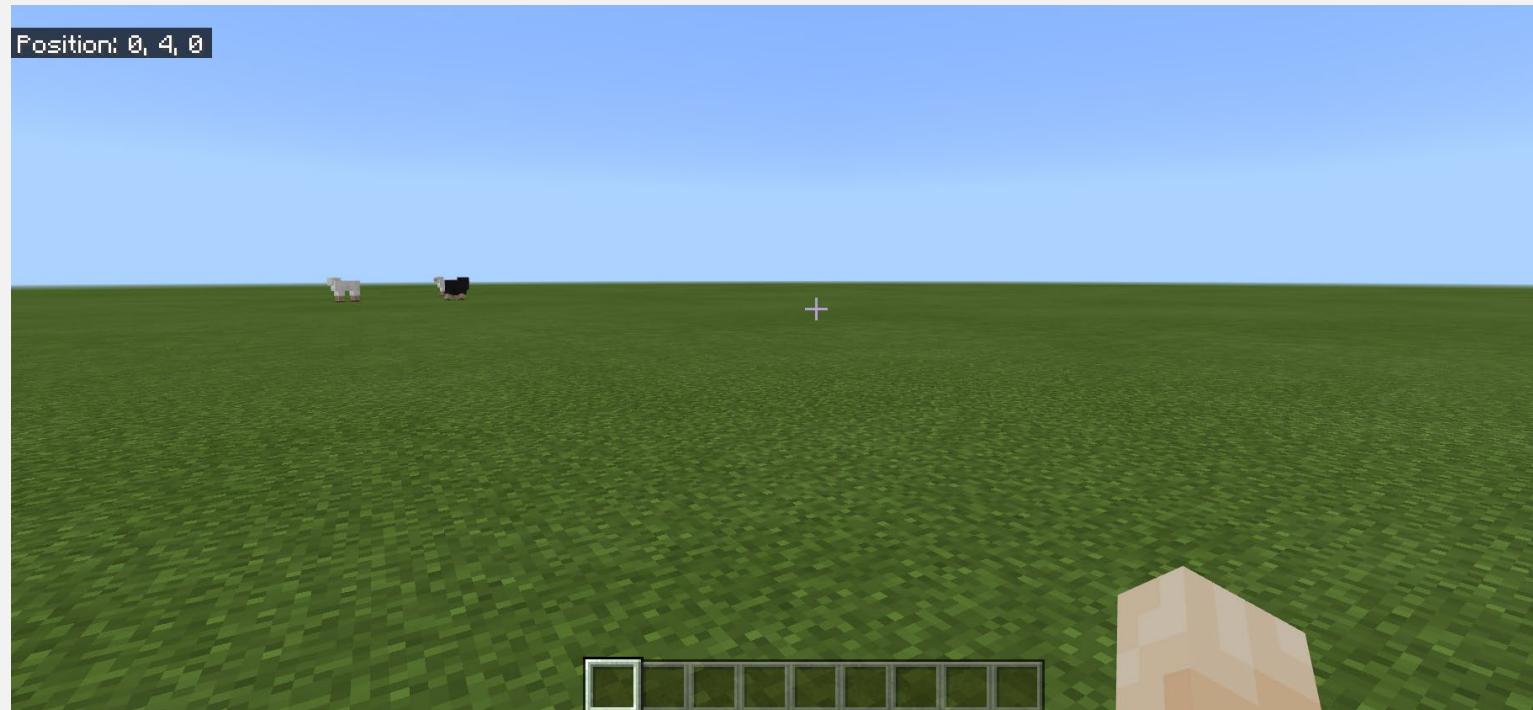
World Setting



After everything done, we can select “Create” to start creating our world.



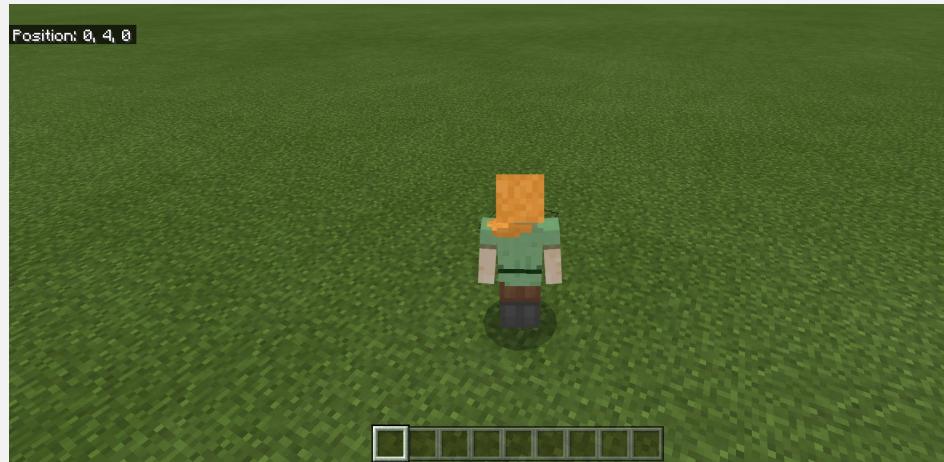
Now you are in the world



Now you are in your flat world, and you can start to build things.



Controlling your player



Press W, A, S, D is movement



Press double space is fly or landing
Press shift is fly down
Press space is fly up



Controlling your player



Press E is open inventory



Use mouse to drag the item to your pocket



Controlling your player



Right click to place item



Left click to break it



Controlling your player



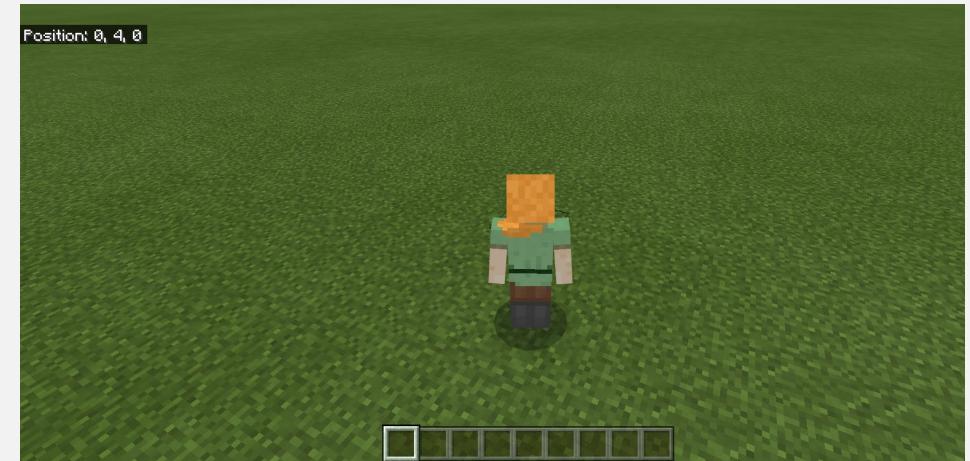
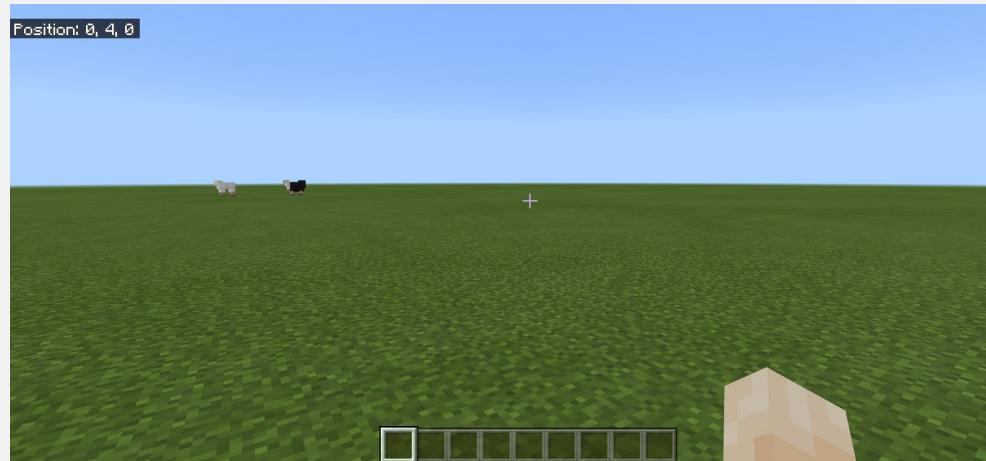
Press ESC to go here

Basic control is finish!

Let's go to coding



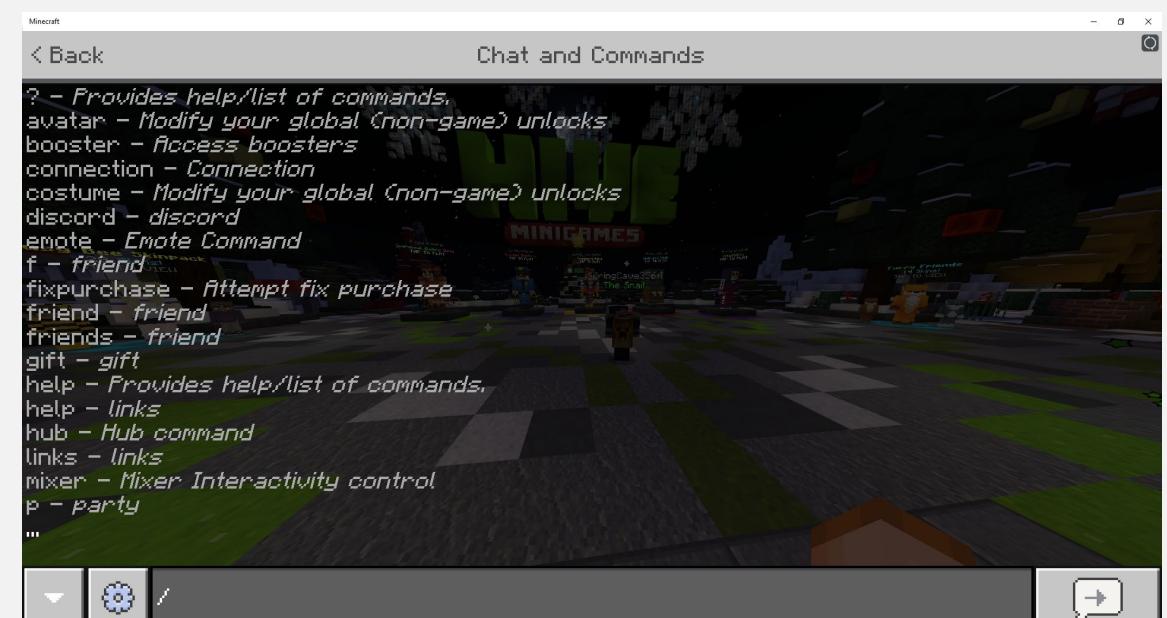
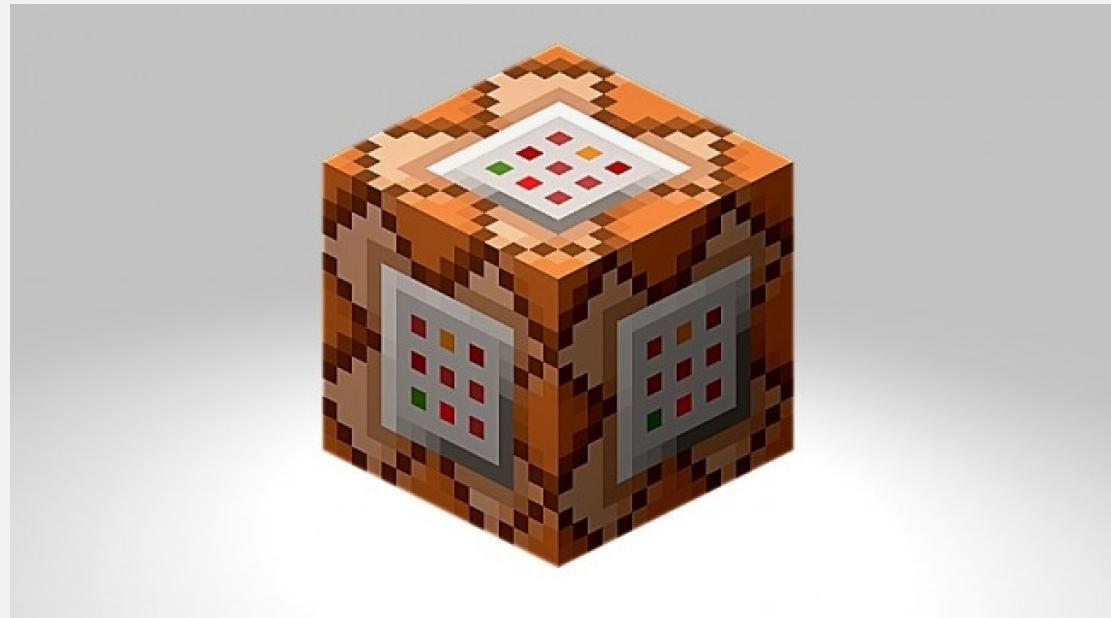
Controlling your player



Change the view by pressing key F5



You are start to learn making game in Minecraft



You are going to learn Minecraft built-in syntax



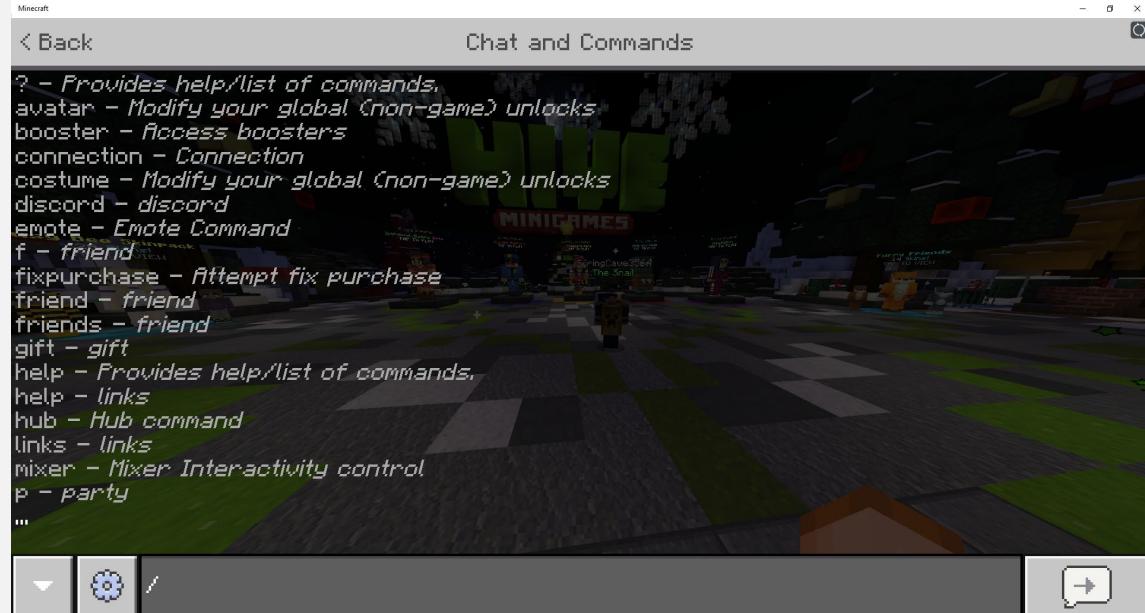
It is important to learn Minecraft syntax for game maker



Code consists of two things: logic and execution
most programming languages require both to be written in text.



What is Minecraft syntax?



Minecraft commands and cheats can make you a god in your own blocky little world. Whether you want to copy an existing build, change the game mode without loading up a new world, or just cheat your way to your perfect universe, Minecraft console commands are an important part of a creative playstyle.



How to use?



If you're wondering how to enter the Minecraft console commands listed below, all you need to do is hit the forward-slash key (/) and that'll bring up a small window. Input the code and hit enter and your command will activate.



Minecraft command list:

Teleport players or entities



When you use this command, you can teleport Entities (Animals) or players to somewhere of the world

*@a - all players
@e - all entities
@p - closest player
@r - random player
@s - yourself*

```
/teleport @a 0 4 0
```

All players will be teleported to world(0, 4, 0)



Let's try

*Teleport yourself to the top of the world
(1000, 1000, 1000)*



Minecraft command list:

Teleport players or entities



/teleport @e[type=123] X Y Z
123 is entity name
X Y Z is world coordination

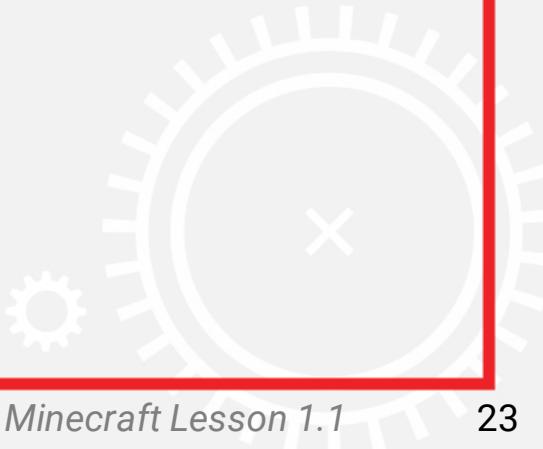
*@a - all players
@e - all entities
@p - closest player
@r - random player
@s - yourself*

```
/teleport @e[type=chicken] 0 4 0
```

All chicken will be teleported to world(0, 4, 0)



Mission for ***Topic 1.1***





Mission 1



Teleport all cows in the world into
the gold house



Mission 2

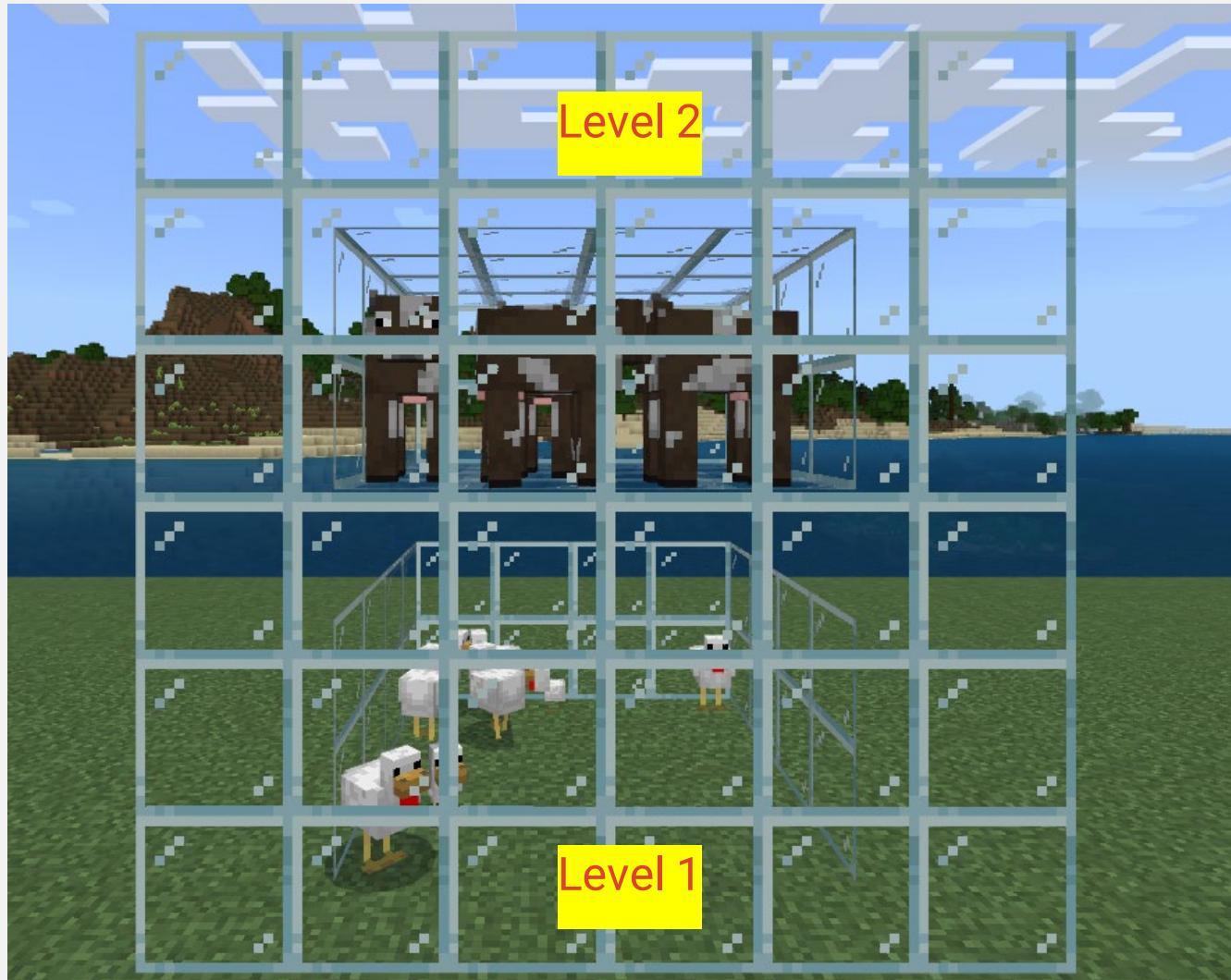


Teleport all sheep in the world
into the diamond house

Teleport all horse in the world
into the gold house



Mission 3



Teleport chicken in the world into
Level 1 glass room

Teleport cow in the world into
Level 2 glass room



Summary

1. <w> <s> <a> <d> <space> <shift> <e> <right-click> <left-click> are the keys to make player walk, jump, flying, use inventory, build block, break block
2. By adding “/” in front of our word in the comment, we can add command to build things or teleport.
3. The coordination in Minecraft world is 3-dimensional, hence, there will be 3 sets of number representing the location of the character (position: 5, 11, 147)
4. The characters or entities can be teleported to any position of the world that you specify in the command.



Any Questions?

You can direct message your teacher and ask your question through [Slack Robotene Community](#) or arrange a [One-to-One Consultation](#) with your teacher.



Thank you ;)