Getting Started

Before you get started with these cards, you need to make sure you’re all setup.

You will need:

- PC, Mac or iPad
- Internet Connection
- Web Browser

**Scratch Setup**

Go to scratch.mit.edu
Click on Create
You’re all setup!

**EduBlocks Setup**

Go to app.edublocks.org
Select Python
You’re all setup!

**Python Setup**

Go to trinket.io/python3
You’re all setup!
1: Say Hello!

**Scratch**

```
say Hello! for 2 seconds
```

**EduBlocks**

```
import time
print("Hello!")
time.sleep(2)
```

**Python**

```
import time
print("Hello!")
time.sleep(2)
```

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**How to run your code:**

- **Scratch**: Click the first block
- **EduBlocks**: Click the Run Button
- **Python**: Press Play
1: Coding Cards

1. Scratch
   - **ask** What's your name? and wait
   - **say** join Hello answer

2. EduBlocks
   - name = input("What is your name?")
   - print("Hello " + name)

3. Python
   - name = input("What is your name?")
   - print("Hello " + name)

2: Ask a Question

What is your name? George
Hello George

How to run your code:

- **Scratch**: Click the first block
- **EduBlocks**: Click the Run Button
- **Python**: Press Play

edublocks.org
How to run your code:

**Scratch**
- Click the first block

**EduBlocks**
- Click the Run Button

**Python**
- Press Play

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Scratch
- set score to 5
- say score

EduBlocks
- score = 5
- print(score)
**123 Coding Cards**

1. **Scratch**
   - `set character`
   - `to length of Hello!`
   - `say character`

2. **EduBlocks**
   - `character = len("Hello!")`
   - `print(character)`

3. **Python**
   - `character = len("Hello!")`
   - `print(character)`

**How to run your code:**
- **Scratch**: Click the first block
- **EduBlocks**: Click the Run Button
- **Python**: Press Play

[edublocks.org](http://edublocks.org)
Hello World!

How to run your code:

**Scratch**
- Click the first block

**EduBlocks**
- Click the Run Button

**Python**
- Press Play

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How to run your code:

**Scratch**
- Click the first block

**EduBlocks**
- Click the Run Button

**Python**
- Press Play

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123 Coding Cards

7: Addition Calculator

**Scratch**
- ask **First Number** and wait
- set no1 to answer
- ask **Second Number** and wait
- set no2 to answer
- say no1 + no2

**EduBlocks**
- no1 = int(input("First Number"))
- no2 = int(input("Second Number"))
- print(no1 + no2)

**Python**
- no1 = int(input("First Number"))
- no2 = int(input("Second Number"))
- print(no1 + no2)

How to run your code:
- **Scratch**: Click the first block
- **EduBlocks**: Click the Run Button
- **Python**: Press Play

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Scratch

1

```python
# Define the function
my_function = function()

# Call the function
say "Hello from a function!"
```

EduBlocks

2

```python
# Define the function
def my_function():
    print("Hello from a function!")

# Call the function
my_function()
```

Python

3

```python
# Define the function
def my_function():
    print("Hello from a function!")

# Call the function
my_function()
```

How to run your code:

Scratch
- Click the first block

EduBlocks
- Click the Run Button

Python
- Press Play
How to run your code:

**Scratch**
- Click the first block

**EduBlocks**
- Click the Run Button

**Python**
- Press Play

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1. **Scratch**
   - `repeat 10`
   - `change timer by 1`
   - `wait 1 seconds`
   - `say timer`

2. **EduBlocks**
   - `import time`
   - `for i in range(10):`
     - `print(i)`
     - `time.sleep(1)`

3. **Python**
   - `import time`
   - `for i in range(10):`
     - `print(i)`
     - `time.sleep(1)`

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How to run your code:

**Scratch**

Click the first block

**EduBlocks**

Click the Run Button

**Python**

Press Play

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