

Processing

Make the duplicated pattern

1. we can use the translate to change the position, and copy the code
2. we can also use the function to simplify the code

```
//define the function. no return type-void
```

```
void FunctionName(){}
```

```
//call the function
```

```
FunctionName();
```

```
//define the return type of the function
```

```
float Mars(){
```

```
return newWeight;
```

```
}
```

Object//

PImage

PShape

PFont

data+functionality: the two things in object

methods+field

The object help the code or project easier to manage

sudo code

EX: Model a video

Fields: volume frequency band(FM, AM), power(on, off)

Methods: setVolume, setFrequency, setBand.

3 Steps

//Field

//Constructor

//Method

The array is an object