# Extension: Create your own images!
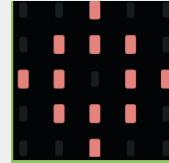
**Goal: Let's make more images!**

## Task 1.1: How does the LED screen work?

The LED screen is actually a 5 rows of 5 individual lights, and we can set them all individually!

A value of 0 is off, and a value of 9 is at its brightest. Each row is displayed and separated by a colon.
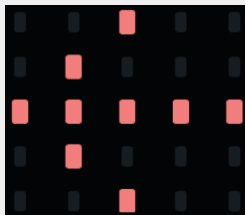
So for this target image, we can display it as
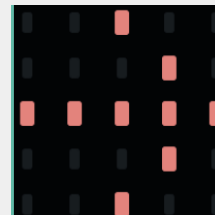`Image("00900:09990:99099:09990:00900")` instead!

## Task 1.2: What's the value?

1. What's this image's value?

……………………………………………………

2. What about this one?

……………………………………………………

## Task 1.3: Create your own!

Let's create our own images now!

1. Colour in the micro:bit with the image you want:



2. Write down the value of the image:


_____:_____:_____:_____:_____

3. Store the image you've created in a variable!

## Hint - Creating your own image

The following code creates an image with the first row lit up:
```
myImage = Image("99999:00000:00000:00000:00000")
```

## Task 1.4: Display it!

**Let's display the image now!**

1. **Display** the image you created!

## Hint - Displaying your image

You can display the image you've created with the following code:
```
display.show(myImage)
```

## ☑ CHECKPOINT ☑

**If you can tick all of these off you have finished this Extension:**

☐ You have created your own image

☐ You have displayed the image you created