

# Pictures in the sky - Using weird numbers (binary) to make big pictures



## Open the file

1. Open “4\_Pictures\_in\_the\_sky.py”
2. Run it, what does it do?

## Variables and lists.

We have used variables before but here we are using an array, a list of values.

```
img = [  
    0b00011000,  
    0b00111100,  
    0b01111110,  
    0b11011011,  
    0b11111111,  
    0b00100100,  
    0b01011010,  
    0b10100101  
]
```

Find this code? All the other lines that start `img = [` do EXACTLY the same thing.

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## Draw a picture

1. Draw your picture on the squared paper by filling in each box.
2. Draw a box which contains your picture.
3. For each row have a look at the left hand square if it is filled in write a 1 if empty write a 0
4. Copy those numbers into the lines starting 0b (you need to keep the 0b and the commas.
5. Run the code.