

New Knowledge and Vocabulary

Code	The language of computer coding.
Algorithm	A set of instructions which explain how to perform an action or solve a problem. In computing, algorithms are made up of pieces of code.
Debug	'De' meaning <i>remove</i> and 'bug' meaning <i>error</i> . Debugging is the process of correcting mistakes in computer code.
Sequence	Writing code in a correct order so that an algorithm works.

Because, but, (therefore)...

Algorithms are helpful because...

Algorithms are helpful but...

Algorithms are helpful therefore...

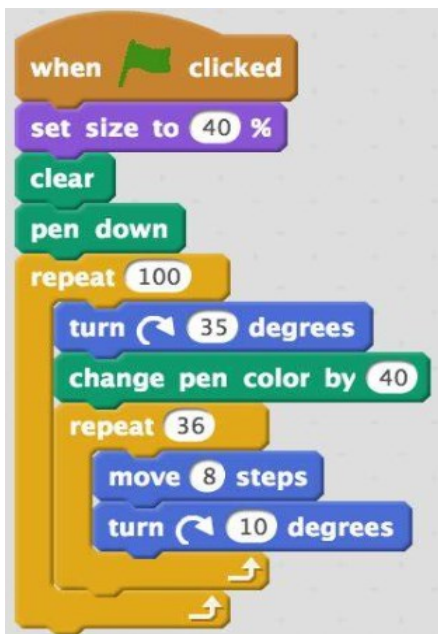
Examples of code used to make a computer game.

```
//player
var player = new sjs.Image("Images/spaceguy_left.png");
player.type="player";
player.setSize(45,65);
player.setHFlipImages('Images/spaceguy_left.png', 'Images/spaceguy_right.png');
player.setGravity();
player.moveTo(50,225);

sjs.scrollable(player,background);

sjs.keyDown(LEFT_KEY, function(){
    player.faceLeft();
    player.pushLeft(.5);
});
sjs.keyDown(RIGHT_KEY, function(){
    player.faceRight();
    player.pushRight(.5);
});
```

Pieces of code in a sequence which fit together to make an algorithm.



Application of knowledge

Use the programme 'scratch' to make a smoking car game.

Use the programme 'scratch' to make a simple quiz about current learning.

Use the programme 'scratch' to make a simple space game.

<https://www.j2e.com/j2code/>