

Macromedia Flash - Variable circle

This exercise will show you how to create a circular transformation of the circle using the Action Script.

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Try hovering over the image above to see how the circle changes.

Step 1

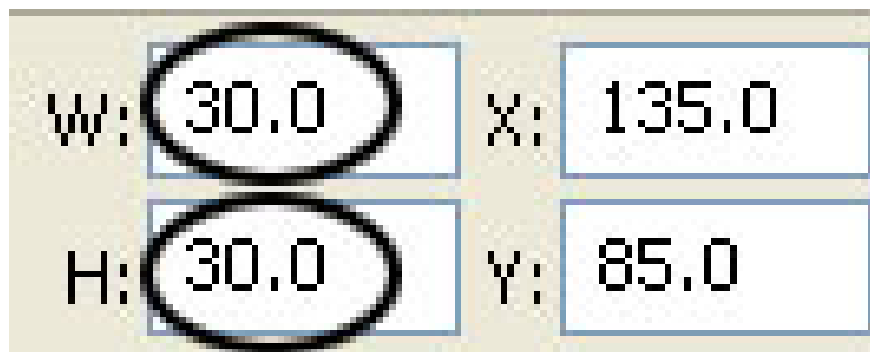
Create a new Flash document, go to *Modify > Document* (Ctrl + J) and set the width to 300px, the height to 200px. Frame rate is 24fps (Frames per second).

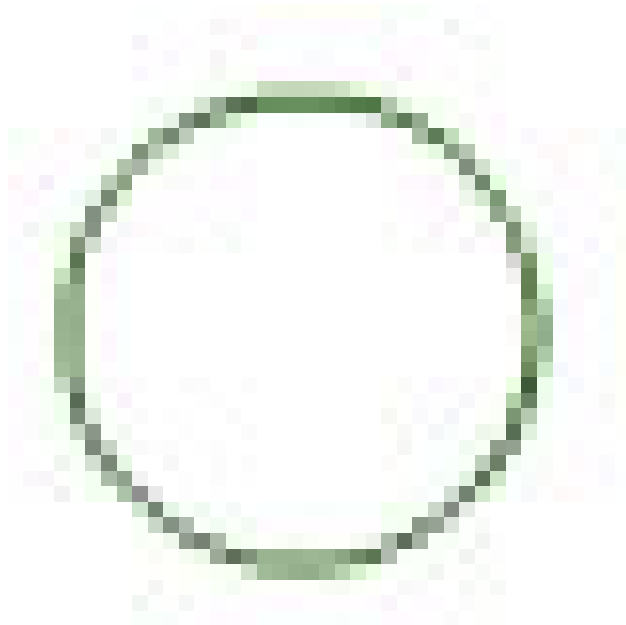
Step 2

Double click on layer 1 and rename it to **Background** . Then lock the **Background** layer and add a new layer and name it **Circle** .

Step 3

Select the *Oval Tool* (O) and draw a circle with size 30x30px. Set the correct size for the circle by: selecting the new circle, press Ctrl + F3 and change the *Properties* parameter





Step 4

Select the circle you just drawn and press *F8* to convert the circle into a *Movie Clip* .



Step 5

Continue to select the *Circle* layer again, open the *Action Script* window (F9) and enter the following script content:

```
onClipEvent (load) {  
    setProperty (this, _xscale, (300 - _root._xmouse) * 2);  
    setProperty (this, _yscale, (300 - _root._ymouse) * 2);  
    setProperty (this, _alpha, 100);  
}
```

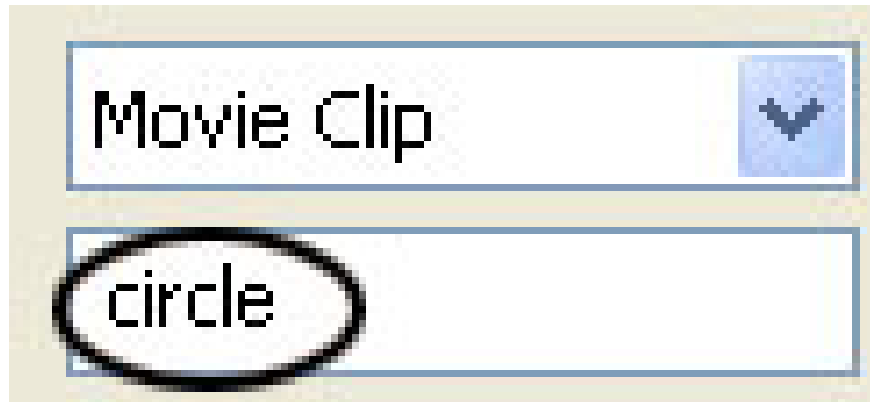
```

onClipEvent (enterFrame) {
setProperty (this, _xscale, _xscale - 10);
setProperty (this, _yscale, _yscale - 10);
if (_alpha > 4) {
setProperty (this, _alpha, _alpha - 5);
}
}

```

Step 6

Then select the Movie Clip ' *Circle* ', open *Properties* (Ctrl + F3) and enter the circle content for the part



Step 7

Add a new layer named *Action* . Click Frame 1, open the Action Script (F9) and enter the scrip:

```

i = 0;
setProperty ("circle", _visible, false);

```

Step 8

Click on Frame 2 of the *Action* layer> press *F6* (keyframe)> open Action Script and enter the scrip:

```

duplicateMovieClip ("circle", "circle" + i, i);
removeMovieClip ("circle" + (i-15));
if (i > 14) {
i = 0;
}
i ++;

```

Step 9

Click Frame 3 of the *Action* layer> press *F6* key> enter the scrip:

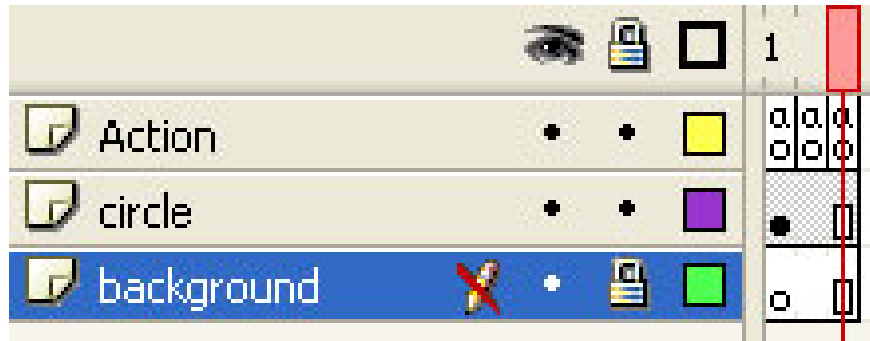
```

gotoAndPlay (_currentframe - 1);

```

Step 10

Click on Frame 3 of *Circle* and Background> press F5



Press *Ctrl + Enter* to test the product

It is done! (Download finished products)

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