

quadraticCurveTo() METHOD IN HTML5 CANVAS

- The **quadraticCurveTo()** is a method of **HTML** canvas.
- The **quadraticCurveTo()** method adds a point to the current path by using the specified control points that represent a quadratic parametric curve.

Syntax for quadraticCurveTo() method in HTML5 Canvas:

```
context.quadraticCurveTo(cpx,cpy,x,y);
```

Parameter Values for quadraticCurveTo() method in HTML5 Canvas:

Parameter	Description
cpx	The x-coordinate of the Bezier control point.
cpy	The y-coordinate of the Bezier control point.
x	The x-coordinate of the ending point.
y	The y-coordinate of the ending point.

Sample Coding for quadraticCurveTo() method in HTML5 Canvas:

```
<!DOCTYPE html>
<html>
  <head>
    <title>wikitechy quadraticCurveTo method</title>
  </head>
  <body>
    <h2>wikitechy quadraticCurveTo method</h2>
    <canvas id="wikitechyCanvas" width="300" height="150"
      style="border:1px solid blue;">
    </canvas>
    <script>
      var c = document.getElementById("wikitechyCanvas");
      var context = c.getContext("2d");
      context.beginPath();
      context.moveTo(20, 40);
      context.quadraticCurveTo(30, 100, 200, 30);
      context.stroke();
    </script>
  </body>
</html>
```



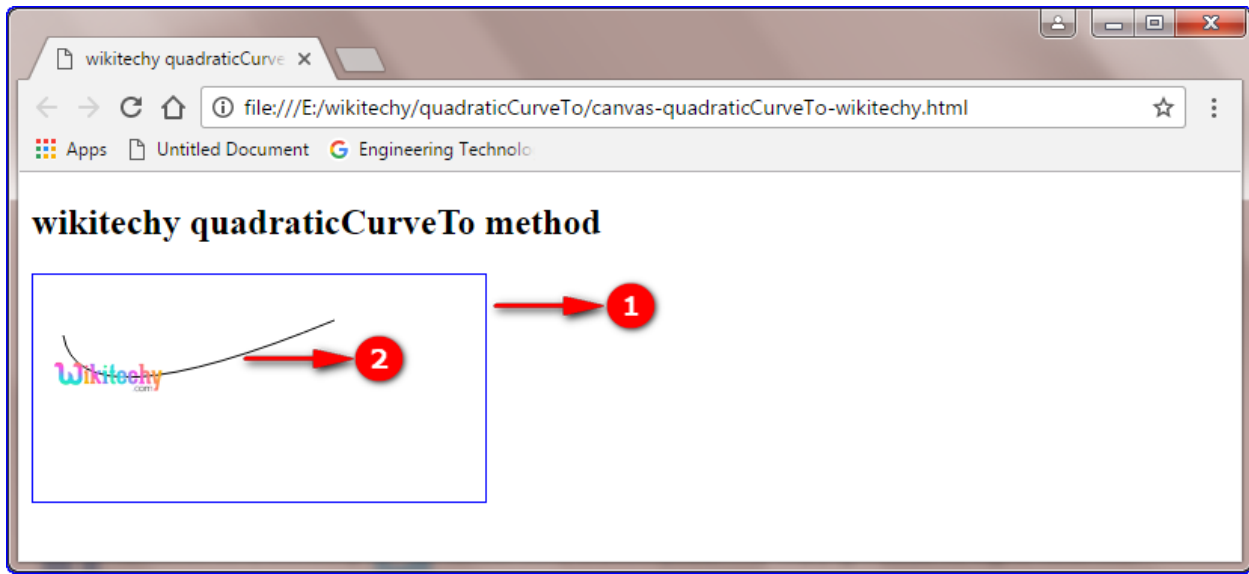
Code Explanation for quadraticCurveTo() method in HTML5 Canvas:

```
<!DOCTYPE html>
<html>
  <head>
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      var context = c.getContext("2d");
      context.beginPath();
      context.moveTo(20, 40);
      context.quadraticCurveTo(30, 100, 200, 30);
      context.stroke();
    </script>
  </body>
</html>
```

1. “**wikitechyCanvas**” is declare id value of the HTML canvas.
2. The **getElementById()** method is used to get the element with the specific id (“**wikitechyCanvas**”).
3. The **beginPath()** method is used to begins a path.
4. The **moveTo()** method is used to moves the path to the specified point(**20,40**) in the canvas.
5. A quadratic parametric curve requires two points. The first point is a control point (**30,100**) that is used in the quadratic parametric calculation and the second point is the ending point (**200,30**) for the curve.

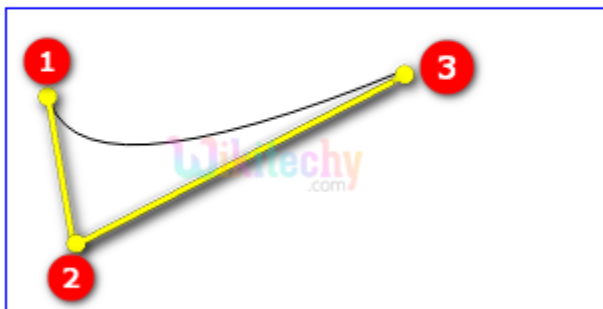
- The **stroke()** method is used to draw a path by using `moveTo()` and `quadraticCurveTo()` methods.

Output for `quadraticCurveTo()` method in HTML5 Canvas:



- The canvas rectangle with blue color border.
- The quadratic parametric curve is displayed on the canvas.

wikitechy quadraticCurveTo method



1 Start point(20,40)

2 Control point(30,100)

3 End point(200,30)

Browser Support for quadraticCurveTo() method in HTML5 Canvas:

Browser	Support
Chrome	Yes
Internet explorer / Edge	9.0
Firefox	Yes
Safari	Yes
Opera	Yes

