

WEB PROGRAMMING ASSIGNMENT

Submitted by,

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Roll.no:21

S3 MCA

Q: Create a smiley face using HTML5 canvas tag nad JavaScript.

CODE:

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<center><br>
```

```
<canvas id="canvas" width="200" height="200"></canvas>
```

```
<script>
```

```
var canvas = document.getElementById('canvas');
```

```
var context = canvas.getContext('2d');
```

```
var centerX = canvas.width / 2;
```

```
var centerY = canvas.height / 2;
```

```
var radius = 80;
```

```
var eyeRadius = 10;
```

```
var eyeXOffset = 25;
```

```
var eyeYOffset = 25;
```

```
context.beginPath();
```

```
context.arc(centerX, centerY, radius, 0, 2 * Math.PI, false);
```

```
context.fillStyle = 'yellow';  
context.fill();  
context.lineWidth = 5;  
context.strokeStyle = 'black';  
context.stroke();
```

```
context.beginPath();  
var eyeX = centerX - eyeXOffset;  
var eyeY = centerY - eyeXOffset;  
context.arc(eyeX, eyeY, eyeRadius, 0, 2 * Math.PI, false);  
var eyeX = centerX + eyeXOffset;  
context.arc(eyeX, eyeY, eyeRadius, 0, 2 * Math.PI, false);  
context.fillStyle = 'black';  
context.fill();
```

```
context.beginPath();  
context.strokeStyle = "red";  
context.arc(centerX, centerY, 45, 0, Math.PI, false);  
context.stroke();
```

```
</script>
```

</center>

</body>

</html>

OUTPUT:

