Ex. No. 7	**Website Design with Jquery Action**
Date of Exercise	11-10-22
Web Host Link	
Video Link	https://drive.google.com/file/d/19ICE54UzeV1L67tuIAgoC_zYR90g-Xxw/view?usp=share_link

Aim:

To design with jQuery Actions.

Description:

jQuery is a lightweight, "write less, do more", JavaScript library. The purpose of jQuery is to make it much easier to use JavaScript on your website. jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code. jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation. The jQuery library contains the following features:

● HTML/DOM manipulation

● CSS manipulation

● HTML event methods

● Effects and animations

● AJAX

● Utilities

Program:

```
<!DOCTYPE html>

<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
    <script
src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>;
    <script>
        $(document).ready(function(){
            $('#btn').click(function(){
                var c1 = parseInt($('#c1').val());
                var c2 = parseInt($('#c2').val());
                var c3 = parseInt($('#c3').val());
                var c4 = parseInt($('#c4').val());
                var c5 = parseInt($('#c5').val());

                var avg = parseInt((c1+c2+c3+c4+c5)/5);

                if(avg >=95){
                    $('#res2').text("S");
                }
                else if(avg>=85 && avg <= 95){
                    $('#res2').text("A");
                }
                else if(avg>=75 && avg <= 85){
                    $('#res2').text("B");
                }
                else if(avg>=65 && avg <= 75){
                    $('#res2').text("C");
                }
                else if(avg>=50 && avg <= 65){
                    $('#res2').text("P");
                }
                else if(avg<=50){
                    $('#res2').text("F");
                }
                else{
                    $('#res2').text("No");
                }

            $('#res1').html(avg);


        });
        });

    </script>

</head>
<body >
```

```html
    <div id="heading" style="background-color: blue; color: white;text-align:
center; font-size: 40px; ">My Collage</div>
    <br>
    <div style="color:red; text-align: center; font-size: 20px;">Grade
Evaluation</div><br>
    <div style="text-align: center; color: rgb(6, 165, 218);">
        Student name : <br><input type="text" style="color:red" id="name"><br>
        Student Reg no : <br><input type="text" style="color:red"id="reg"><br>
        Course 1 Marks : <br><input type="text" style="color:red" id="c1"><br>
        Course 2 Marks : <br><input type="text"style="color:red" id="c2"><br>
        Course 3 Marks : <br><input type="text" style="color:red"id="c3"><br>
        Course 4 Marks : <br><input type="text" style="color:red"id="c4"><br>
        Course 5 Marks : <br><input type="text" style="color:red"id="c5"><br><br>
        <button style ="background-color: blue;color:white" id="btn">Final
Grade</button> <br><br>


    </div>
        <div style="background-color:aqua;margin-left:
500px;width:600px;height:10px"></div><br>
        <div style="text-align:center; color:green;font-size:20px">Grade
Details</div><br>
    <div>
        <div style="text-align:center;background-color:green;color:white;margin-
left:550px;margin-top:0px;font-size:30px; width: 200px;">Average Marks</div>
        <div id="res1" style="color:red;margin-left: 850px;margin-top: 0px;font-
size: 30px;"></div><br>
    </div>
    <div style="margin-top: 0px;">
        <div style="text-align:center;background-
color:green;color:white;margin-left:550px;font-size:30px; width:
200px;">Grade</div>
        <div id="res2" style="color:red;margin-left: 850px;font-size:
30px;"></div><br>

    </div>


</body>
</html>
```

OUTPUT:

My Collage

Grade Evaluation

Student name :

David

Student Reg no :

234

Course 1 Marks :

100

Course 2 Marks :

98

Course 3 Marks :

95

Course 4 Marks :

91

Course 5 Marks :

93

Final Grade

Grade Details

Average Marks

95

Grade

S

Result:

Therefore, a webpage is created using jQuery and verified.