Student ID	:	18DCE115	Student Name	:	KASHYAP SHAH
Subject Code	:	CE247	Subject Name	:	WEB TECHNOLOGY
Date of exam	:	26-05-2020	Semester	:	4th Semester

Definition:
1)Write a JavaScript function that accepts a string as a parameter and find the longest word within the string.
Example string: 'Web Development Tutorial'
Expected Output: 'Development'.
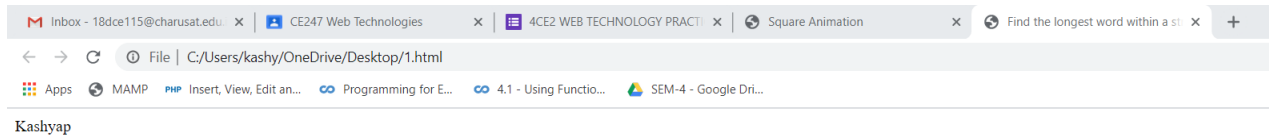
Solution (code):

```
<html>
<head>
<title>Find the longest word within a string</title>
<script>
function longest_word(str)
{
  var arr = str.match(/\w[a-z]{0,}/gi);
  var result = arr[0];

  for(var x = 1 ; x < arr.length ; x++)
  {
    if(result.length < arr[x].length)
    {
    result = arr[x];
    }
  }
  return result;
}
document.write(longest_word('Kashyap Shah'));
</script>
</head>
<body>
```

```
</body>
</html>
```

Input and Output Screen Shot:

Kashyap

Definition:

2) Write a style sheet code for following tasks.

a. Move a Square in 4 direction using Animation in CSS3 and also changing its color from red – blue – green – yellow.

Solution (code):

```html
<html>
<head>
        <title>Square Animation</title>
<style>
#animation
{
                        width:100px;
                        height:100px;
                        animation-name:demo;
                        animation-duration: 4s;
                        animation-iteration-count:infinite;
                        animation-delay: 0s;
                        animation-direction: normal;
                        animation-timing-function: ease-in-out;
                        position: absolute;
}
@keyframes demo
{
                        0%{background-color:red;top:0px;left:0px;}
                        25%{background-color:blue;top:0px;left:200px;}
                        50%{background-color:green;top:200px;left:200px;}
                        75%{background-color:yellow;top:200px;left:0px;}
                        100%{background-color:red;top:0px;left:0px;}
}
</style>
</head>
<body>
<div style="width:300px; height:300px; border:1px solid black; position:relative;">
        <div id="animation">
        </div>
</div>
</body>
</html>
```

Input and Output Screen Shot: