



# VIT<sup>®</sup>

**Vellore Institute of Technology**

(Deemed to be University under section 3 of UGC Act, 1956)

**School of Information Technology and Engineering**  
**Digital Assessment - III, MARCH 2019**  
**B.Tech, Winter-2018-2019**

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COURSE CODE	ITE1002
COURSE NAME	WEB TECHNOLOGIES
SLOT	B2
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**Question 2:**

You are a fast bowler and check if you can bowl a bouncer. You bowl a bouncer each time you choose a speed that can lead to a bouncer. Write a JQuery code that takes speed as input and on button click generates a random number from the speed and checks if the resultant is bouncy. If bouncy, then display that "you have bowled a bouncer" or display "try the next time, you never know". The display is done on a paragraph in a division. The division swipes down on a bouncer and fades in otherwise. Bouncy Number All non-negative integer that is neither increasing nor decreasing are "bouncy" number; for example, 155349. Random Number Generation – Any logic of your choice.

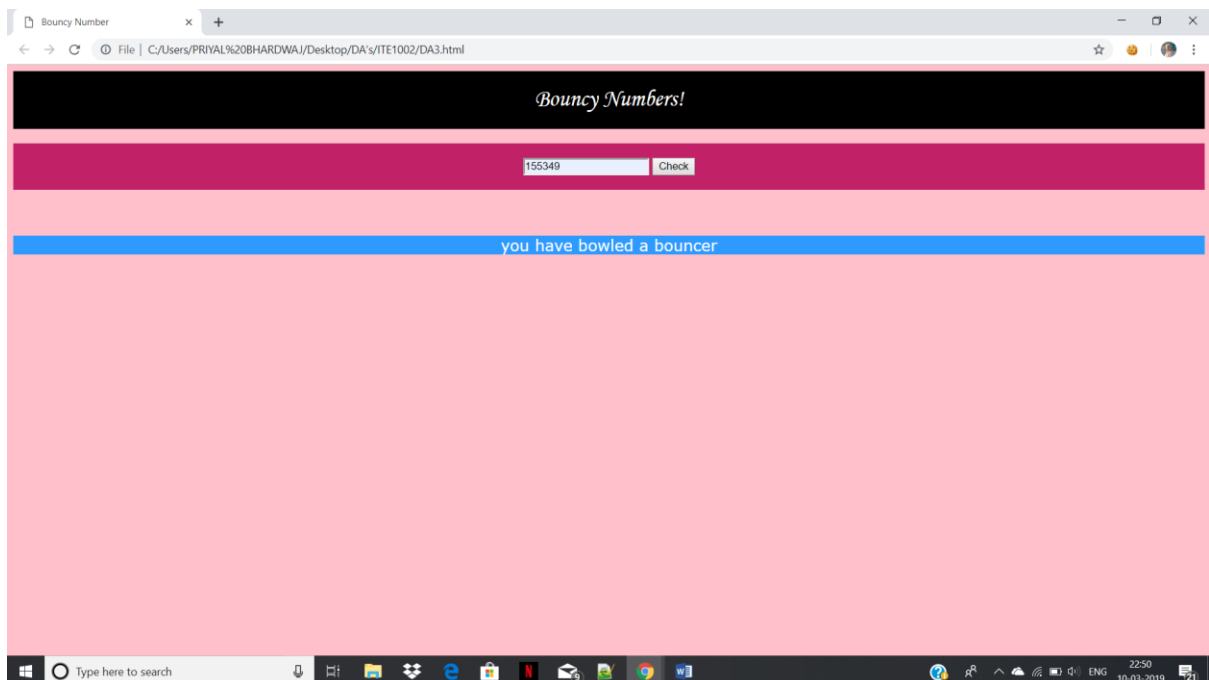
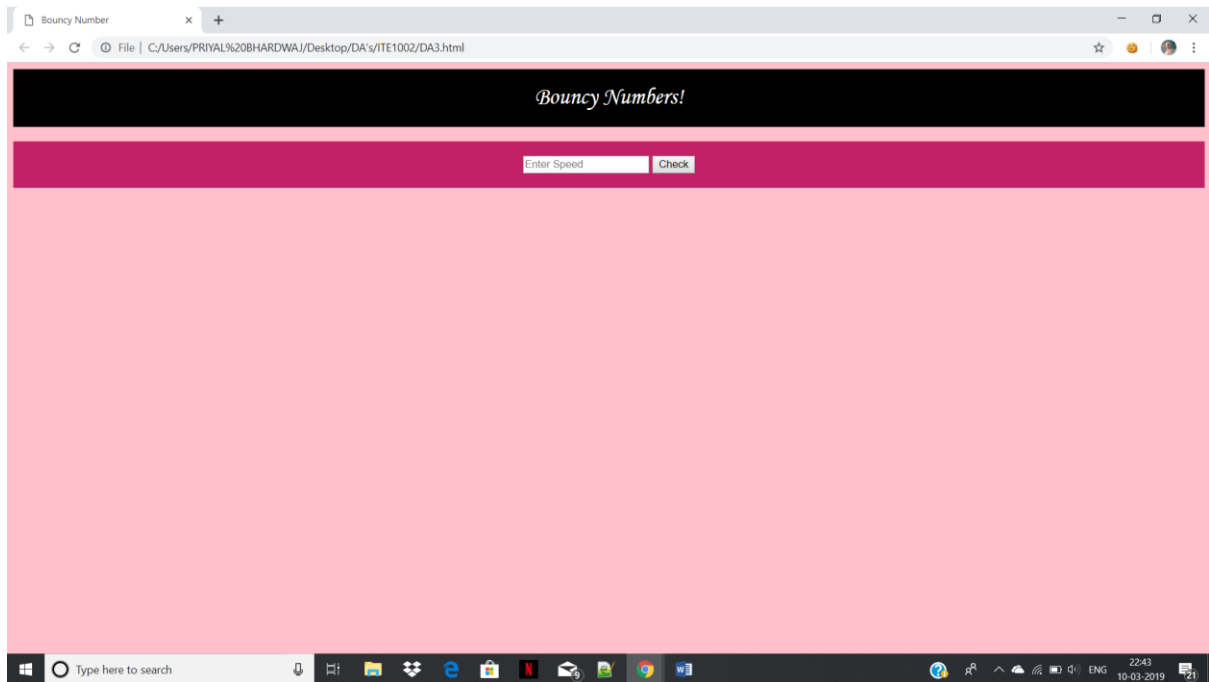
### HTML CODE:

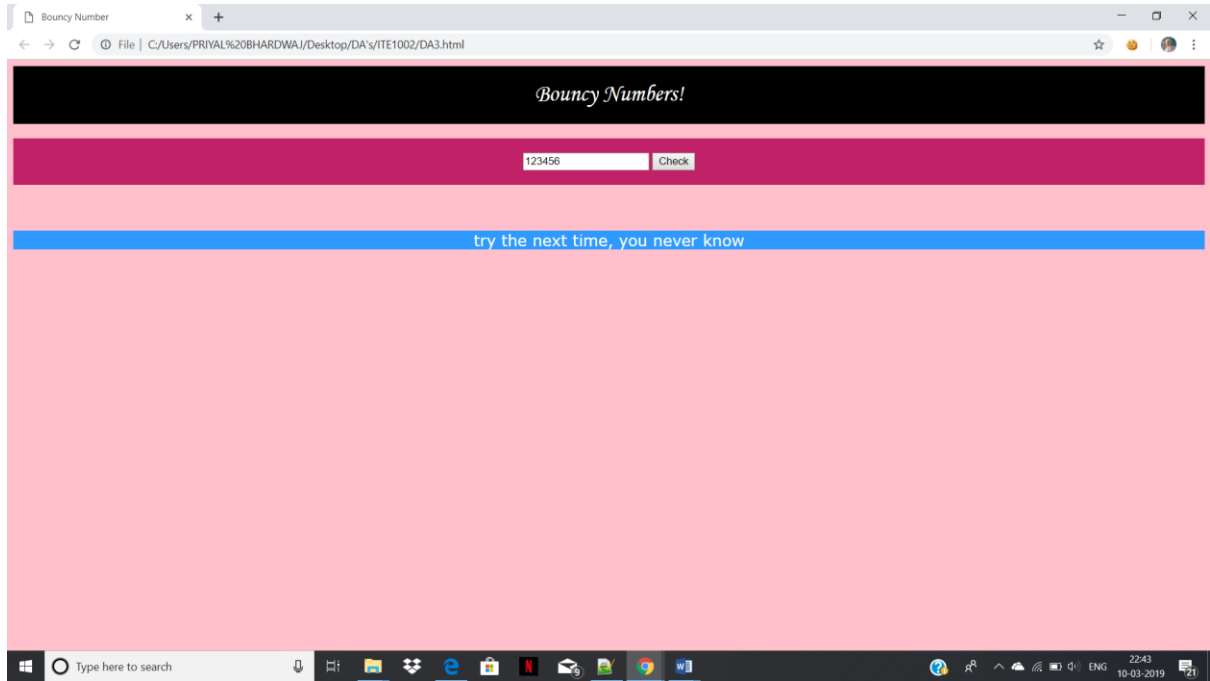
```
<!DOCTYPE html>
<html>
<head>
<title>Bouncy Number</title>
<style>
  header{
    background-color: #000;
    padding: 20px;
    text-align: center;
    font-size: 30px;
    font-family: Monotype Corsiva;
    color: white;
  }
  #p1, #p2{
    font-size: 15px;
    color: #fff;
    font-family: Verdana;
  }
</style>
<script
src="//ajax.googleapis.com/ajax/libs/jquery/2.1.1/jquery.min.js"></script>
<script>
$(document).ready(function(){
  $("button").click(function(){
    var speed = $("#i").val();
    var num = new Array();
    while(speed!=0){
      num.push(speed%10);
      speed = parseInt(speed/10);
    }
    num.sort(function(){return .5-Math.random();});
    var upCount = 0;
    var downCount = 0;
    for(var i=0; i<num.length-1; i++){
      if(num[i]<=num[i+1]){
        upCount=upCount+1;
      }
    }
  })
}
```

```
        if(num[i]>=num[i+1]){
            downCount=downCount+1;
        }
    }
    if(upCount==num.length-1 || downCount==num.length-1){
        var txt1 = "try the next time, you never know";
        $('#p1').text(txt1).fadeIn(3000);
    }
    else{
        var txt2 = "you have bowled a bouncer";
        $('#p2').fadeOut();
        $('#p2').text(txt2).slideDown(3000);
    }
    });
});
</script>
</head>
<body bgcolor="pink">
<center>
    <header>Bouncy Numbers!</header><br>
    <div style="background:#C12267;width:100%;"><br>
        <input type="text" id="i" placeholder="Enter Speed">
        <button>Check</button><br><br>
    </div>
    <div class="d1" style="background:#2E9AFE;width:100%;"><p
id="p1"></p></div><br>
    <div class="d2" style="background:#2E9AFE;width:100%;"><p
id="p2"></p></div>
</center>
</body>
</html>
```

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## OUTPUT SCREEN:





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