EXPERIMENT 5

PART B

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Date of Experiment:	Date of Submission:
Grade :	

B.1 Software Code written by student:

P1.asp

```
<html>

<head>
<link rel="stylesheet" type="text/css" href="button.css">
<link rel="stylesheet" type="text/css" href="new.css">

<script src="http://ajax.googleapis.com/ajax/libs/jquery/1.10.0/jquery.min.js"></script>
<script type="text/javascript" src="script.js"></script>

<title>Gadget Showcase</title>

<script>
                function getDetails(name)
                {
                        var xmlhttp;
                        if (window.XMLHttpRequest)
                        {// code for IE7+, Firefox, Chrome, Opera, Safari
                                xmlhttp=new XMLHttpRequest();
                        }
                        else
                        {// code for IE6, IE5
                                xmlhttp=new ActiveXObject("Microsoft.XMLHTTP");
                        }
                        xmlhttp.onreadystatechange=function()
                        {
                                if (xmlhttp.readyState==4 && xmlhttp.status==200)
                                {
```
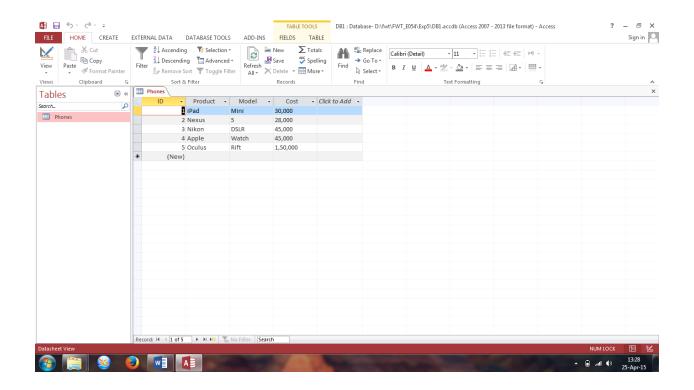
```
                document.getElementById("myId").innerHTML=xmlhttp.responseText;
                                    }
                            }
                            xmlhttp.open("GET",name + ".txt",true);
                            xmlhttp.send();
                    }
                    function mouseOverTD(id) {
                            document.getElementById(id).style.backgroundColor =
"lightblue";
                            document.getElementById(id).style.color = "blue";
                    }
                    function mouseNotOverTD(id) {
                            document.getElementById(id).style.backgroundColor =
"lightblue";
                            document.getElementById(id).style.color = "blue";
                    }
            </script>

<div class="main">
<div onmouseover="document.getElementById('div1').style.display = 'block';"
onmouseout="document.getElementById('div1').style.display = 'none';" >
<h1><center><font color="white" face="Trebuchet MS">Gadget
Showcase</font></center></h2>
<div id="div1" style="display: none;"><h3 align="center"><font color = "white">Know
Technology Better<font></h3></div>
</div>


</head>
<body background="g2.jpg">

<div class="resp">

<div id="slider">
<div class="btn">
<center><a href="p8.html"><font color = "white">Register</font></a></center>
</div>
<div class="btn">
<center><a href="p2.html"><font color = "white">Enter The Site</font></a></center>
```
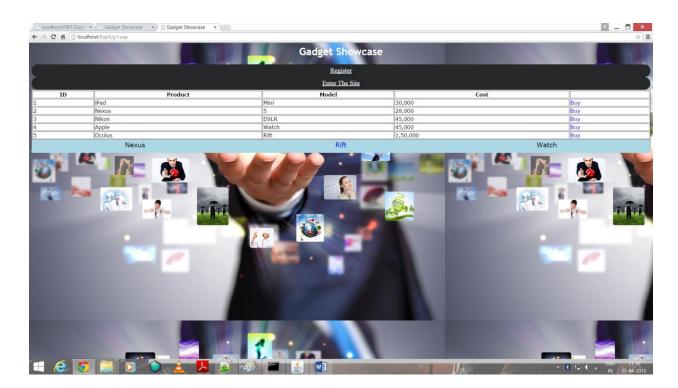
```
</div>

</div>

</div>

<%
                    set Cnn=Server.CreateObject("ADODB.Connection")
                    Cnn.open "DRIVER={Microsoft Access Driver (*.mdb,
*.accdb)};DBQ=C:\inetpub\wwwroot\Exp5\DB1.accdb"
                    set rs = Server.CreateObject("ADODB.recordset")
                    sql="SELECT *FROM Phones"
                    rs.Open sql, Cnn
            %>
            <div style="background-color:white;font-family:Verdana;font-
align:center">
                    <table border="1" width="100%">
                            <tr>
                                    <%for each x in rs.Fields
                                    Response.write("<th>" & x.name & "</th>")
                                    next%>
                                    <th></th>
                            </tr>
                            <%do until rs.EOF%>
                                    <tr>
                                            <%for each x in rs.Fields%>
                                            <td>
                                                    <%Response.write(x.value)%>
                                            </td>
                                            <%next
                                            rs.MoveNext%>
                                            <td><div
style="color:blue">Buy</div></td>
                                    </tr>
                            <%loop
                            rs.close
                            Cnn.close%>
                    </table>
            </div>
        </div>
```

```html
            <div style="background-color:lightblue; width:100%;height:40">
                <table align="center" frame="vsides" width="100%">
                    <tr>
                        <td width="33%" align="center"
onmouseover="mouseOverTD('d1')" onmouseout="mouseNotOverTD('d1')"
onclick="getDetails('nexus')"><div id="d1"style="font-family:Verdana;font-
size:20">Nexus</div></td>
                        <td width="33%" align="center"
onmouseover="mouseOverTD('d2')" onmouseout="mouseNotOverTD('d2')"
onclick="getDetails('rift')"><div id="d2" style="font-family:Verdana;font-
size:20">Rift</div></td>
                        <td width="33%" align="center"
onmouseover="mouseOverTD('d3')" onmouseout="mouseNotOverTD('d3')"
onclick="getDetails('watch')"><div id="d3" style="font-family:Verdana;font-
size:20">Watch</div></td>
                    </tr>
                </table>
            </div>
            </div>
            <br>
            <div style="background-color:lightblue;width:100%">
                <div align="center" style="font-family:Verdana" id="myId">
                </div>
            </div>

</body>

</html>
```

B.2 Input and Output:

B.3 Observations and learning:

Web pages with the .asp file extension use ASP, although some web sites disguise their choice of scripting language for security purposes. The use of ASP pages with Internet Information Services (IIS) is currently supported on all supported versions of IIS.

The database that was made externally was connected using ASP to the webpage. This connectivity was achieved through IIS using server which set up the ADODB connection for database connectivity.

B.4 Conclusion:

Thus we have successfully connected our external database to the webpage using ASP.

B.5 Question of Curiosity

1) List down the various server side scripting languages available?

Soln:

- ASP (*.asp)
- ActiveVFP (*.avfp)
- ASP.NET (*.aspx)
- C (*.c, *.csp) via CGI
- ColdFusion Markup Language (*.cfm)
- Go (*.go)
- Groovy Server Pages (*.gsp)
- Haskell (*.hs) (example: Yesod)
- Java (*.jsp) via JavaServer Pages
- JavaScript using Server-side JavaScript (*.ssjs, *.js) (example: Node.js)
- Lua (*.lp *.op *.lua)
- Perl via the CGI.pm module (*.cgi, *.ipl, *.pl)
- PHP (*.php)
- R (*.rhtml) - (example: rApache)
- Python (*.py) (examples: Pyramid, Flask, Django)
- Ruby (*.rb, *.rbw) (example: Ruby on Rails)
- SMX (*.smx)
- Lasso (*.lasso)
- Tcl (*.tcl)
- WebDNA (*.dna,*.tpl)

- Progress WebSpeed (*.r,*.w)
- 2) Compare these languages based on their advantages and disadvantages?
- I Php - Probably currently most popular! But not a general purpose language.
- I Perl - Older than Php. More difficult to use, but general purpose. Good for general Unix system admin tasks.
- I ASP.NET - Microsoft's server-side language; commercial; platform dependent.
- I Python - Object oriented multi-purpose scripting language.
- Really good for server-side tasks! But not that well known.
- I Java Servlets - Java server-side programming, requires Apache
- Tomcat engine or similar.
- I JSP - Sun's version of Java server-side programming.