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DEPARTMENT OF COMPUTER TECHNOLOGY

Academic Year: 2023-24

Class: TYCM-Lin   Group No: | 04 | Date: _____

Title of Project: A holistic approach to campus recruitment and student profile analysis for placement.

Assignment No: 2

Name of Activity (Assignment): Implemented Code

Name: Mr. S.H.Sangale
Signature of Guide:

NaiveBayes.java

```java
package com.myfirstproject;
import java.util.List;
public class NaiveBayes {
        public static String naiveBayes(List<String> str) {

                String[] Openness = { "cautious/consistent to curious/inventive", "intellectual", "polished", "creative",
                                "independent", "open-minded", "imaginative", "creative", "curious", "tolerant" };

                String[] Conscientiousness = { "careless/easy-going to organized/efficient", "reliable", "consistent",
                                "self-disciplined", "organized", "hard working", "has long-term goals", "planner" };

                String[] Extraversion = { "solitary/reserved to outgoing/energetic", "express positive emotions", "excited",
                                "satisfied", "friendly", "seeks stimulation in the company of others", "talkative" };

                String[] Agreeableness = { "cold/unkind to friendly/compassionate kind", "concerned", "truthful",
                                "good natured", "trustful", "cooperative", "helpful", "nurturing", "optimistic" };

                String[] Neuroticism = { "secure/calm to unconfident/nervous angry", "anxious", "neurotic", "upset",
                                "depressed", "sensitive", "moody" };

                double O = 0, C = 0, E = 0, A = 0, N = 0;
                int i, j, k;
                String result="";
                List<String> strsplit = str;
                System.out.println("size "+strsplit.size());

                for (i = 0; i < 10; i++) {
                        double divide=0;
                        String[] test = strsplit.get(i).split(",");
                        System.out.println(test.length);
                        int size = test.length;
                         divide = 10.00 / size;
                         System.out.println(i+" "+divide);
                        for (j = 0; j < size; j++) {
                                for (k = 0; k < Openness.length; k++) {

                                        if (test[j].equals(Openness[k]) || test[j] == Openness[k]) {

                                                O = O + divide;
                                        }
                                }

                        }

                        for (j = 0; j < size; j++) {
                                for (k = 0; k < Conscientiousness.length; k++) {

                                        if (test[j].equals(Conscientiousness[k]) || test[j] == Conscientiousness[k]) {

                                                C = C + divide;
                                        }
```

```java
                }
        }

        for (j = 0; j < size; j++) {
                for (k = 0; k < Extraversion.length; k++) {

                        if (test[j].equals(Extraversion[k]) || test[j] == Extraversion[k]) {

                                E = E + divide;
                        }
                }

        }

        for (j = 0; j < size; j++) {
                for (k = 0; k < Agreeableness.length; k++) {

                        if (test[j].equals(Agreeableness[k]) || test[j] == Agreeableness[k]) {

                                A = A + divide;
                        }
                }

        }

        for (j = 0; j < size; j++) {
                for (k = 0; k < Neuroticism.length; k++) {

                        if (test[j].equals(Neuroticism[k]) || test[j] == Neuroticism[k]) {

                                N = N + divide;
                        }
                }

        }


}
System.out.println(O +" "+C+" "+E+" "+A+" "+N);
if(O>C && O>E && O>A && O>N) {
        result="Openness-"+O;

}else if(C>O && C>E && C>A && C>N) {

        result="Conscientiousness-"+C;

}else if(E>O && E>C && E>A && E>N) {
        result="Extraversion-"+E;

}else if(A>O && A>E && A>C && A>N) {
        result="Agreeableness-"+A;
```

```java
            }else if(N>O && N>E && N>C && N>A) {
                    result="Neuroticism-"+N;

            }else{
                    result="Neuroticism-"+N;

            }

            System.out.println("result "+result);
            return result;

        }
}
```

Aptitude.jsp

```jsp
<%@page import="java.util.*"%>
<%@page import="java.sql.*"%>
<%@page import="com.myfirstproject.*"%>
<%@page import="com.services.*"%>
<!doctype html>
<html lang="en" class="no-js">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1, minimum-scale=1, maximum-scale=1">
    <meta name="description" content="">
    <meta name="author" content="">
    <meta name="theme-color" content="#3e454c">
    <title>Training & Placement for Student Profile Analysis</title>
    <link rel="stylesheet" href="css/font-awesome.min.css">
    <link rel="stylesheet" href="css/bootstrap.min.css">
    <link rel="stylesheet" href="css/dataTables.bootstrap.min.css">
    <link rel="stylesheet" href="css/bootstrap-social.css">
    <link rel="stylesheet" href="css/bootstrap-select.css">
    <link rel="stylesheet" href="css/fileinput.min.css">
    <link rel="stylesheet" href="css/awesome-bootstrap-checkbox.css">
    <link rel="stylesheet" href="css/style.css">
    <script type="text/javascript">
      function access(){
        <% Object s1 = request.getSession().getAttribute("msg");
        if(s1!=null){ %>
        alert('<%=s1.toString()%>');
        <% request.getSession().setAttribute("msg",null);
        }   %>
      }
      function handleFormSubmit(event) {
```

```
        var form=document.getElementsByTagName('iframe')[0].contentWindow.document.getElementsByTagName
('form')[0];
        form.addEventListener('submit', function(e) {
            e.preventDefault();
            var answers = form.querySelectorAll('input[type="radio"]:checked');
            var marks = 0;
            for (var i = 0; i < answers.length; i++) {
                if (answers[i].value === 'correct') {
                    marks += 1;
                }
            }
            if (marks > 15) {
                alert("Congratulations! You got selected.");
            }
        });
    }
</script>
</head>

<body onload="access()" style="background-image:url(images/banner11.jpg);background-size:cover;">
<div class="brand clearfix">
    <a href="#" class="logo" style="font-family:playfair display; font-size:19px;color:#ff4600f2">HR Assessment</a>
    <span class="menu-btn"><i class="fa fa-bars"></i></span>
    <ul class="ts-profile-nav">
        <li class="ts-account">
            <a href="#"><img src="images/r1.png" class="ts-avatar hidden-side" alt="" style="height:46px;"> Account <i
             class="fa fa-angle-down hidden-side"></i></a>
            <ul>
                <li><a href="Webpage.html">Logout</a></li>
            </ul>
        </li>
    </ul>
</div>

<div class="ts-main-content">
    <nav class="ts-sidebar" style="font-family:playfair display; font-size:18px;">
        <ul class="ts-sidebar-menu">
            <li><a href="candidateWelcomePage.jsp" style="color:white;"><i class="fa fa-dashboard"></i>
             Dashboard</a></li>
            <li><a href="jobCandidate.jsp" style="color:white;" ><i class="fa fa-desktop"></i>View Job</a></li>
        </ul>
    </nav>
    <div class="content-wrapper">
        <div class="container-fluid">
            <div class="row">
                <div class="col-md-12">
                    <h2 class="page-title" style="padding-top:10px;">ICRPT Aptitude Test</h2>
```

```html
            <div class="row">
              <div class="col-md-12">
                <div class="panel panel-default">
                  <div class="panel-heading">Candidate : <%=User.getEmail()%></div>
                  <div class="panel-body" style="text-align: center
                <iframe
                src="https://docs.google.com/forms/d/e/1FAIpQLSd6m7LtW7Wfnel0SqpQTfNkwMdNUsJoQja0gYZ
                TxrOEyTMucQ/viewform?embedded=true"       width="700"       height="520"       frameborder="0"
                marginheight="0" marginwidth="0" onload="handleFormSubmit()">Loading…</iframe>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
</div>
<script src="js/jquery.min.js"></script>
<script src="js/bootstrap-select.min.js"></script>
<script src="js/bootstrap.min.js"></script>
<script src="js/jquery.dataTables.min.js"></script>
<script src="js/dataTables.bootstrap.min.js"></script>
<script src="js/Chart.min.js"></script>
<script src="js/fileinput.js"></script>
<script src="js/chartData.js"></script>
<script src="js/main.js"></script>
<SCRIPT language=Javascript>
   function isNumberKey(evt) {
     var charCode = (evt.which) ? evt.which : event.keyCode;
     if (charCode > 31 && (charCode<48 || charCode>57))
       return false;
     return true;
   }
</SCRIPT>
</body>
</html>
```