**Assignment**

**Github :** <https://github.com/Noorullah162/Ezee-Assginment>

**1) Write a program to remove all numbers and replace all special characters with a space from a string.**

**Program in Python :**

input1 = "Hello User!123@LaL Check out this Game"

input1= ''.join(char for char in input1 if not char.isdigit())

print(" Input : {} \n Output : {}".format(input1,convert(input1)))

**Output:**

Input : Hello User!123@LaL Check out this Game

Output : Hello User LaL Check out this Game

**2) Write a program to convert all odd length strings as, the first half of the string to uppercase and the second half to lowercase.**

**Actual: Transformed**

**oriJenBeliret : ORIJENbeliret**

**orionmeo: orionmeo**

**Program in Python:**

str1="oriJenBeliret"

s1= s[:(len(s)//2)].upper() +s[(len(s)//2):].lower()

print("Input : {}\nOutput: {}".format(str1,transform(str1)))

str2="orionmeo"

print("Input : {}\nOutput: {}".format(str2,transform(str2)))

**Output:**

Input : oriJenBeliret

Output: ORIJENbeliret

Input : orionmeo

Output: orionmeo

**3) Write a program to find second and fourth greatest number in an list of numbers (if length of list is less than 4, should give error message in response)**

**Program in Python :**

def findlarge(l):

if len(l)<4:

print("Error")

else:

l=l[::-1]=list(set(sorted(l)))

print("Second largest {}\nFourth Largest {}".format(l[1],l[3]))

findlarge([1,2,3,54,56,75,3,5])

**4) Write a html page code with css, which can convert string date in certain format into given**

**format using javascript.**

**For example:**

**Box: inputDate - 12/11/2012**

**Box: inputFormat - DD/MM/YYYY**

**Box: expectedFormat - MM/YYYY/DD**

**Output Button [ on click ]**

**the output should be - 11/2012/12 and displayed in a new Box**

**Also ensure that the entire page is precisely centered both horizontally and vertically on the web page. You can use any styles or color schemes of your choice.**

**Html File:**

<!DOCTYPE html>

<head>

    <title>Date Format Converter</title>

    <style>

        body {

            display: flex;

            align-items: center;

            justify-content: center;

            height: 700px;

        }

    </style>

</head>

<body>

    <div id="container">

        <label for="inputDate">Enter Date (MM/DD/YYYY): </label>

        <input type="text" id="inputDate" placeholder="MM/DD/YYYY">

        <div></div>

        <div><button onclick="convertDateFormat()">Submit</button><div>

        <div  id="outputBox"></div>

    </div>

    <script>

        function convertDateFormat() {

            var inputDate = document.getElementById('inputDate').value;

            var dateRegex = /^(0[1-9]|1[0-2])\/(0[1-9]|[12][0-9]|3[01])\/\d{4}$/;

            var parts = inputDate.split('/');

            var outputDate = parts[1] + '/' + parts[2] + '/' + parts[0];

            document.getElementById('outputBox').innerText = 'Converted Date: ' + outputDate;

        }

    </script>

</body>

</html>

**5) Write a html/css/javascript code to create a frontend page, to show electronic device**

**information.**

The page will contain, multiple clickable text fields with name of devices ( MobilePhone, Laptop, Desktop,...)

On click to any of the text, it opens a new tab/iframe to show description (any random details) of the selected device. Can use any react/angular/css to make the page look good visually.

<!DOCTYPE html>

<html>

<head>

   <title>Electronic Devices Information</title>

    <style>

        body {

            background-color: #f4f4f4;

            display: flex;

            justify-content: center;

            align-items: center;

            height: 100vh;

        }

        .device-link {

            display: block;

            padding: 10px;

            margin: 10px;

            background-color: #3498db;

            color: #fff;

            border-radius: 5px;

            cursor: pointer;

        }

        .device-link:hover {

            background-color: #031522;

        }

    </style>

    <script>

        function showDeviceDetails(deviceName) {

            var deviceDetails = getDeviceDetails(deviceName);

            var iframe = document.getElementById('deviceDetails');

            iframe.srcdoc = deviceDetails;

            iframe.style.display = 'block';

        }

    </script>

</head>

<body>

    <div style="text-align: center;">

        <a class="device-link" onclick="showDeviceDetails('Mobile Phone')">Mobile Phone</a>

        <a class="device-link" onclick="showDeviceDetails('Laptop')">Laptop</a>

        <a class="device-link" onclick="showDeviceDetails('Desktop')">Desktop</a>

        <iframe id="deviceDetails" style="display:none; width: 100%; height: 300px; margin-top: 20px; border: 2px solid #0e0d0d;"></iframe>

    </div>

</body>

</html>