

1. JAVA

a) check if the input is pangram or not

```
import java.io.*;
import java.util.*;

class Panagram {

    public static boolean checkPangram(String str)
    {
        boolean[] mark = new boolean[26];
        int index = 0;
        for (int i = 0; i < str.length(); i++) {
            if ('A' <= str.charAt(i) && str.charAt(i) <= 'Z')
                index = str.charAt(i) - 'A';
            else if ('a' <= str.charAt(i) && str.charAt(i) <= 'z')
                index = str.charAt(i) - 'a';
            else
                continue;
            mark[index] = true;
        }
        for (int i = 0; i <= 25; i++)
            if (mark[i] == false)
                return (false);
        return (true);
    }

    public static void main(String[] args)
    {
        Scanner sc= new Scanner(System.in);
        System.out.print("Enter a string: ");
        String str= sc.nextLine();

        if (checkPangram(str) == true)
            System.out.print(str + " \nis a pangram.");
    }
}
```

```
        else
            System.out.print(str + " \nis not a pangram.");
    }
}
```

OUT PUT:

Enter a string: The quick brown fox jumps over the lazy dog

The quick brown fox jumps over the lazy dog

is a pangram.

B) SHUFFLE ARRAY

```
package com.arraysshf.examples;

import java.util.Arrays;
import java.util.Collections;
import java.util.List;

public class ShuffleArray {

    public static void main(String[] args) {

        Integer[] intArray = { 1, 2, 3, 4, 5, 6, 7 };

        List<Integer> intList = Arrays.asList(intArray);

        Collections.shuffle(intList);

        intList.toArray(intArray);

        System.out.println(Arrays.toString(intArray));

    }

}
```

OUT PUT:

[1, 7, 5, 2, 3, 6, 4]

C) CONVERTING ROMAN TO INT

```
import java.util.*;
import java.io.*;
import java.lang.Math;

public class RomanToInteger1
{
    int value(char r)
    {
        if (r == 'I')
            return 1;
        if (r == 'V')
            return 5;
        if (r == 'X')
            return 10;
        if (r == 'L')
            return 50;
        if (r == 'C')
            return 100;
        if (r == 'D')
            return 500;
        if (r == 'M')
            return 1000;
        return -1;
    }

    int convertRomanToInt(String s)
    {
        int total = 0;
        for (int i=0; i<s.length(); i++)
        {
            int s1 = value(s.charAt(i));
            if (i+1 < s.length())
```

```

{
    int s2 = value(s.charAt(i+1));
    if (s1 >= s2)
    {
        total = total + s1;
    }
    else
    {
        total = total - s1;
    }
}
else
{
    total = total + s1;
}
}
return total;
}

public static void main(String args[])
{
    RomanToInteger1 ob = new RomanToInteger1();
    String romanStr= "VII";
    System.out.println("The corresponding Integer value is: "+ob.convertRomanToInt(romanStr));
}
}

```

OUT PUT:

The corresponding Integer value is: 7

2.JAVA SCRIPT

A)Descending order of arrays

```
<!DOCTYPE html>

<html>

<body>

<h2>JavaScript Arrays</h2>

<p>The Array.sort() method sorts the elements of an array.</p>

<p id="demo"></p>

<script>

const points = [40, 100, 1, 5, 25, 10];

points.sort(function(a, b){return b-a});

document.getElementById("demo").innerHTML = points;

</script>

</body>

</html>
```

OUTPUT:

The Array.sort() method sorts the elements of an array.

100,40,25,10,5,1

B) reverse the sentence

```
<!DOCTYPE html>
```

```
<html>
```

```
<body>
```

```
<script>
```

```
function reverse(str, start, end)
```

```
{
```

```
    let temp;
```

```
    while (start <= end)
```

```
    {
```

```
        temp = str[start];
```

```
        str[start] = str[end];
```

```
        str[end] = temp;
```

```
        start++;
```

```
        end--;
```

```
    }
```

```
}
```

```
function reverseWords(s)
```

```
{
```

```
    s = s.split("");
```

```
    let start = 0;
```

```
    for (let end = 0;
```

```
        end < s.length; end++)
```

```
    {
```

```
        if (s[end] == ' ')
```

```
        {
```

```
            reverse(s, start, end);
```

```
            start = end + 1;
```

```
        }  
    }  
  
    reverse(s, start, s.length - 1);  
    reverse(s, 0, s.length - 1);  
    return s.join("");  
}  
  
var s =  
"i like this program very much ";  
document.write(reverseWords(s));  
</script>  
</body>  
</html>
```

OUT PUT:

much very program this like i

3.HTML

A)CREATE A BASIC CALCULATOR

1.index.html

```
<!DOCTYPE html>

<html lang="en">

<head>

  <meta charset="utf-8" />

  <meta name="viewport" content="width=device-width, initial-scale=1.0" />

  <title>Calculator</title>

  <!-- Google Font -->

  <link href="https://fonts.googleapis.com/css2?family=Roboto+Mono:wght@500&display=swap"
rel="stylesheet" />

  <!-- Stylesheet -->

  <link rel="stylesheet" href="style.css" />

</head>

<body>

  <div class="calculator">

    <div class="display">

      <input type="text" placeholder="0" id="input" disabled />

    </div>

    <div class="buttons">

      <!-- Full Erase -->

      <button value="AC" id="clear" class="operation-button">AC</button>

      <!-- Erase Single Value -->

      <button value="DEL" id="erase" class="operation-button">DEL</button>

      <button value="/" class="operation-button button">/</button>

      <button value="*" class="operation-button button">*</button>

      <button value="7" class="digit-button button" />7</button>

      <button value="8" class="digit-button button" />8</button>

      <button value="9" class="digit-button button" />9</button>
```

```
<button value="-" class="operation-button button" /></button>
```

```
<button value="6" class="digit-button button" />6</button>
```

```
<button value="5" class="digit-button button" />5</button>
```

```
<button value="4" class="digit-button button" />4</button>
```

```
<button value="+" class="operation-button button" />+</button>
```

```
<button value="1" class="digit-button button" />1</button>
```

```
<button value="2" class="digit-button button" />2</button>
```

```
<button value="3" class="digit-button button" />3</button>
```

```
<button value="=" id="equal" class="operation-button" />=</button>
```

```
<button value="0" class="digit-button button" id="zero" />0</button>
```

```
<button value="." class="digit-button button" />.</button>
```

```
</div>
```

```
<div class="main">
```

```
<p class="brand">Developed by
```

```
<a href="https://acecoder.org/" target="_blank">ACE CODER</a> 🔥
```

```
</p>
```

```
</div>
```

```
</div>
```

```
<!-- Script -->
```

```
<script src="script.js"></script>
```

```
</body>
```

```
</html>
```

B)Style.css

```
* {  
  padding: 0;  
  margin: 0;  
  box-sizing: border-box;  
  font-family: "Roboto Mono", monospace;  
}  
  
body {  
  height: 100vh;  
  background-color: #dadff7;  
}  
  
.calculator {  
  width: 400px;  
  background-color: #071013;  
  padding: 50px 30px 20px 30px;  
  position: absolute;  
  transform: translate(-50%, -50%);  
  top: 50%;  
  left: 50%;  
  border-radius: 8px;  
  box-shadow: 0 20px 50px rgba(0, 5, 24, 0.4);  
}  
  
.display {  
  width: 100%;  
}  
  
.display input {  
  width: 100%;  
  padding: 15px 10px;  
  text-align: right;  
  border: none;  
  background-color: transparent;
```

```
    color: #ffffff;
    font-size: 35px;
}
.display input::placeholder {
    color: #9490ac;
}
```

```
.buttons {
    display: grid;
    grid-template-columns: repeat(4, 1fr);
    grid-gap: 20px;
    margin-top: 40px;
}
```

```
button {
    font-size: 20px;
    padding: 17px;
    border: none;
    color: #ffffff;
    cursor: pointer;
    border-radius: 5px;
    border-radius: 10px;
}
```

```
button#equal {
    grid-row: span 2;
}
```

```
button#zero {
    grid-column: span 2;
}
```

```
.operation-button {
```

```
background-color: #f69906;
}
.operation-button:hover {
background-color: #eef606db;
}
.digit-button {
background-color: #313131;
}

.digit-button:hover {
background-color: #313131a8;
}
.main {
margin-top: 10%;
}
.brand {
text-align: center;
color: white;
}
a {
color: white;
font-weight: 800;
}
a:hover {
color: #f69906;
}
```

3.Script.js

```
let equalPressed = 0;
```

```
let buttonInput = document.querySelectorAll(".button");
let input = document.getElementById("input");
let equal = document.getElementById("equal");
let clear = document.getElementById("clear");
let erase = document.getElementById("erase");
```

```
window.onload = () => {
  input.value = "";
};
```

```
buttonInput.forEach((buttonClass) => {
  buttonClass.addEventListener("click", () => {
    if (equalPressed === 1) {
      equalPressed = 0;
    }
    input.value += buttonClass.value;
  });
});
equal.addEventListener("click", () => {
  equalPressed = 1;
  let inputValue = input.value;
  try {
    let solution = eval(inputValue);
    if (Number.isNaN(solution) || !Number.isFinite(solution)) {
      throw new Error("Invalid mathematical expression");
    }
    if (Number.isInteger(solution)) {
      input.value = solution;
    } else {
      input.value = solution.toFixed(2);
    }
  }
```

```

    } catch (error) {
        alert(error.message);
    }
});

equal.addEventListener("click", () => {
    equalPressed = 1;
    let inputValue = input.value;
    console.log(inputValue, "hvyutfv");
    try {
        let solution = eval(inputValue);
        if (Number.isNaN(solution) || !Number.isFinite(solution)) {
            throw new Error("Invalid mathematical expression");
        }
        if (Number.isInteger(solution)) {
            input.value = solution;
        } else {
            input.value = solution.toFixed(2);
        }
    } catch (error) {
        alert(error.message);
    }
});

```

```

clear.addEventListener("click", () => {
    input.value = "";
});

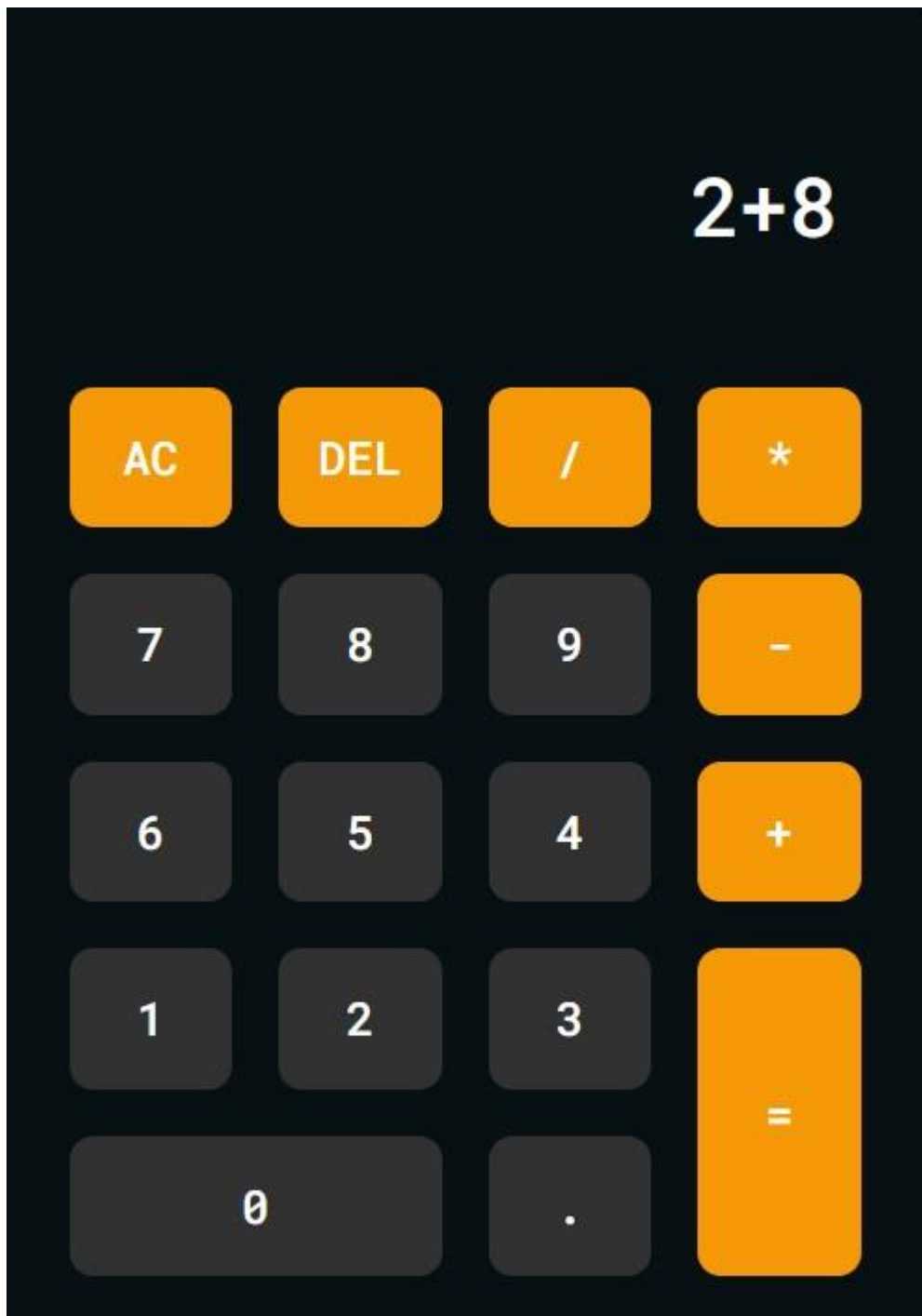
```

```

erase.addEventListener("click", () => {
    input.value = input.value.substr(0, input.value.length - 1);
});

```

OUT PUT:



B) CREATING A SURVEY FORM

<!DOCTYPE html>


```
<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta http-equiv="X-UA-Compatible"
        content="IE=edge">

    <meta name="viewport"
        content="width=device-width, initial-scale=1.0">

    <title>

        Build a Survey Form using HTML and CSS

    </title>

    <style>

        body {

            background-color: #0000ff;

            font-family: Verdana;

            text-align: center;

        }

        form {

            background-color: #fff;

            max-width: 500px;

            margin: 50px auto;

            padding: 30px 20px;

            box-shadow: 2px 5px 10px rgba(0, 0, 0, 0.5);

        }

        .form-control {

            text-align: left;

            margin-bottom: 25px;

        }

        .form-control label {

            display: block;

            margin-bottom: 10px;

        }

    </style>


```

```
.form-control input,
.form-control select,
.form-control textarea {
    border: 1px solid #777;
    border-radius: 2px;
    font-family: inherit;
    padding: 10px;
    display: block;
    width: 95%;
}

.form-control input[type="radio"],
.form-control input[type="checkbox"] {
    display: inline-block;
    width: auto;
}

button {
    background-color: #05c46b;
    border: 1px solid #777;
    border-radius: 2px;
    font-family: inherit;
    font-size: 21px;
    display: block;
    width: 100%;
    margin-top: 50px;
    margin-bottom: 20px;
}

</style>

</head>

<body>

    <h1>Customer Survey Form</h1>
```

```
<form id="form">

  <div class="form-control">

    <label for="name" id="label-name">

      First Name

    </label>

    <input type="text"

      id="name"

      placeholder="Enter your name" />

  </div>

<div class="form-control">

  <label for="last name" id="label-last name">

    last name

  </label>

  <!-- Input Type Text -->

  <input type="text"

    id="last name"

    placeholder="Enter your last name" />

</div>

<div class="form-control">

  <label for="birthday">Birthday:</label>

<input type="date" id="birthday" name="birthday">

</div>

  <div class="form-control">

    <label for="email" id="label-email">

      Email

    </label>

    <!-- Input Type Email-->

    <input type="email"

      id="email"

      placeholder="Enter your email" />

  </div>
```

```
<div class="form-control">
```

```
  <label for="email" id="label-email">
```

```
    Mobile number
```

```
  </label>
```

```
  <input type="mobile number"
```

```
    id="mobile number"
```

```
    placeholder="enter your mobile"/>
```

```
</div>
```

```
  <div class="form-control">
```

```
    <label for="role" id="label-role">
```

```
      country
```

```
    </label>
```

```
    <select name="role" id="role">
```

```
      <option value="INDIA">INDIA</option>
```

```
      <option value="AFGHANISTAN">AFGHANISTAN</option>
```

```
      <option value="CANADA">
```

```
        CANADA
```

```
      </option>
```

```
      <option value="china">
```

```
        CHINA
```

```
      </option>
```

```
      <option value="other">Other</option>
```

```
    </select>
```

```
  </div>
```

```
  <div class="form-control">
```

```
    <label>
```

```
      Gender
```

```
    </label>
```

```
    <label for="recommmed-1">
```

```
      <input type="radio"
```

```
        id="recommmed-1"
```

```

        name="recommended">Male</input>
    </label>
    <label for="recommended-2">
        <input type="radio"
            id="recommended-2"
            name="recommended">Female</input>
    </label>
    <label for="recommended-3">
        <input type="radio"
            id="recommended-3"
            name="recommended">Other</input>
    </label>
</div>

<div class="form-control">
    <label>Profession
        <small>(Check all that apply)</small>
    </label>
    <!-- Input Type Checkbox -->
    <label for="inp-1">
        <input type="checkbox"
            name="inp">Student</input></label>
    <label for="inp-2">
        <input type="checkbox"
            name="inp">Intern</input></label>
    <label for="inp-3">
        <input type="checkbox"
            name="inp">Employee</input></label>
    <label for="inp-4">
</div>
<div class="form-control">

```

```
<label for="comment">
    Any comments or suggestions
</label>
<textarea name="comment" id="comment"
    placeholder="Enter your comment here">
</textarea>
</div>
<button type="submit" value="submit">
    Submit
</button>
<button type="RESET" value="reset">
    Reset
</button>
</form>
</body>
</html>
```

OUT PUT:

Customer Survey Form


First Name

Anisa

last name

Shaik

Birthday:

22-11-2000 

Email

anisafathima1722@gmail.com

Mobile number

+917569802028

Mobile number

+917569802028

country

INDIA



Gender

☐ Male

☒ Female

☐ Other

Profession (Check all that apply)

☒ Student

☐ Intern

☐ Employee

Any comments or suggestions



☒ Female

☐ Other

Profession (Check all that apply)

☒ Student

☐ Intern

☐ Employee

Any comments or suggestions

Submit

Reset