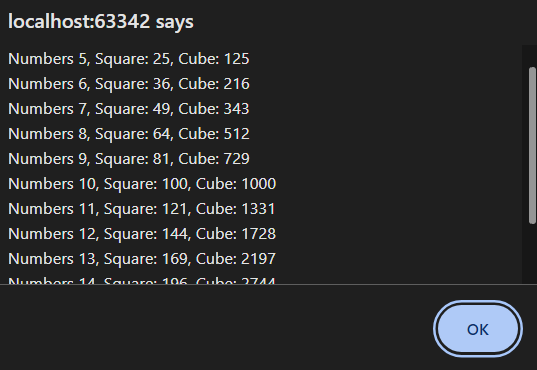
**LAB 4**

# Exercise 1:

### A table of the numbers from 5 to 15 and their squares and cubes, using alert

<script>  
 let *result* = "";  
 for(let i=5;i<16;i++){  
 *result* += `Numbers ${i}, Square: ${i\*i}, Cube: ${i\*i\*i}\n`  
 }  
 alert(*result*);  
</script>

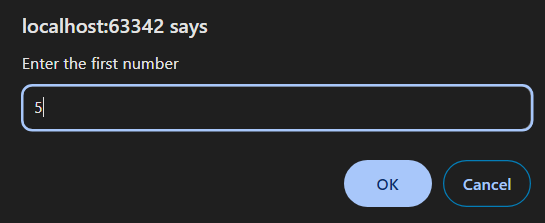


A black background with white text

Description automatically generated

### Input: three numbers, using prompt to get each. OUTPUT: the largest of three input numbers

<script>  
 let *num1* = prompt("Enter the first number");  
 let *num2* = prompt("Enter the second number");  
 let *num3* = prompt("Enter the third number");  
  
 let *max* = *Math*.max(*num1*,*num2*,*num3*)  
 alert(`The largest number is ${*max*}`)  
</script>



A screenshot of a computer screen

Description automatically generated

A screenshot of a computer

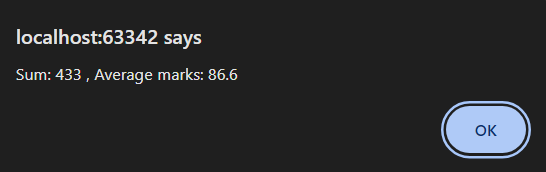
Description automatically generated

A screen shot of a black screen

Description automatically generated

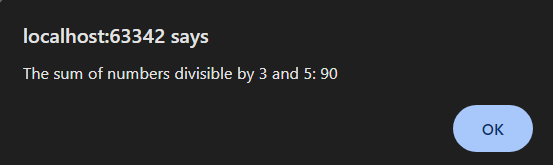
### Declare the array for storing the marks. Sum all the marks. Compute Average of all the marks using alert.

<script>  
 let *marks* = [85,90,78,92,88];  
 let *sum* = 0;  
 for(let i=0;i<*marks*.length;i++)  
 *sum*+=*marks*[i]  
 let *averageMarks* = *sum*/*marks*.length;  
 alert(`Sum: ${*sum*} , Average marks: ${*averageMarks*}`)  
</script>



### Create the HTML file. Check the number divisible by 3 and number divisible by 5. Add all the values which are divisible by 3 and 5.

<script>  
 let *num* = [15, 20, 30, 45, 50];  
 let *sum* = 0;  
 for(let i=0;i<*num*.length;i++)  
 if(*num*[i]%3===0 && *num*[i]%5===0)  
 *sum*+=*num*[i];  
 alert(`The sum of numbers divisible by 3 and 5: ${*sum*}`);  
</script>



# Exercise 2:

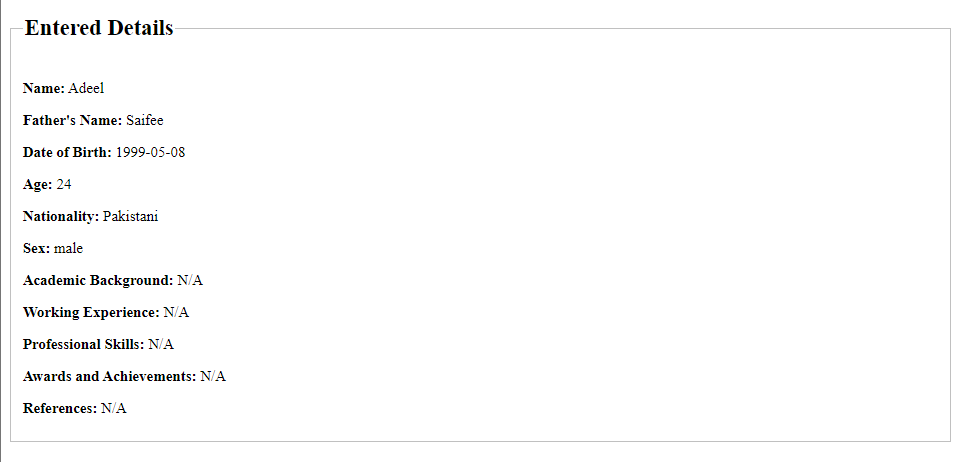
<!DOCTYPE html>  
<html lang="en">  
<head>  
 <meta charset="UTF-8">  
 <meta name="viewport" content="width=device-width, initial-scale=1.0">  
 <title>Entry Form</title>  
 <style>  
 body {  
 font-family: Arial, sans-serif;  
 background-color: #f2f2f2;  
 margin: 0;  
 padding: 0;  
 }  
 fieldset {  
 width: 50%;  
 margin: 50px auto;  
 background-color: #fff;  
 border: 1px solid #ccc;  
 padding: 20px;  
 border-radius: 5px;  
 }  
 legend {  
 font-size: 20px;  
 font-weight: bold;  
 color: #333;  
 }  
 label {  
 display: block;  
 margin-bottom: 5px;  
 font-weight: bold;  
 }  
 input[type="text"],  
 input[type="date"],  
 input[type="number"],  
 select,  
 textarea {  
 width: 100%;  
 padding: 8px;  
 margin-bottom: 10px;  
 border: 1px solid #ccc;  
 border-radius: 4px;  
 box-sizing: border-box;  
 }  
 textarea {  
 resize: vertical;  
 }  
 input[type="submit"] {  
 background-color: #4CAF50;  
 color: white;  
 padding: 10px 20px;  
 border: none;  
 border-radius: 4px;  
 cursor: pointer;  
 font-size: 16px;  
 }  
 input[type="submit"]:hover {  
 background-color: #45a049;  
 }  
 p {  
 margin-bottom: 10px;  
 }  
 </style>  
</head>  
<body>  
<fieldset>  
<legend><h2>Entry Form</h2></legend>  
<form id="entryForm">  
 <label for="name">Name:</label><br>  
 <input type="text" id="name" name="name" required><br><br>  
  
 <label for="fatherName">Father's Name:</label><br>  
 <input type="text" id="fatherName" name="fatherName" required><br><br>  
  
 <label for="dob">Date of Birth:</label><br>  
 <input type="date" id="dob" name="dob" required><br><br>  
  
 <label for="age">Age:</label><br>  
 <input type="number" id="age" name="age" required><br><br>  
  
 <label for="nationality">Nationality:</label><br>  
 <input type="text" id="nationality" name="nationality" required><br><br>  
  
 <label for="sex">Sex:</label><br>  
 <select id="sex" name="sex" required>  
 <option value="male">Male</option>  
 <option value="female">Female</option>  
 <option value="other">Other</option>  
 </select><br><br>  
  
 <label for="academicBackground">Academic Background:</label><br>  
 <textarea id="academicBackground" name="academicBackground" rows="4" required></textarea><br><br>  
  
 <label for="workExperience">Working Experience:</label><br>  
 <textarea id="workExperience" name="workExperience" rows="4" required></textarea><br><br>  
  
 <label for="professionalSkills">Professional Skills:</label><br>  
 <textarea id="professionalSkills" name="professionalSkills" rows="4" required></textarea><br><br>  
  
 <label for="awards">Awards and Achievements:</label><br>  
 <textarea id="awards" name="awards" rows="4" required></textarea><br><br>  
  
 <label for="references">References:</label><br>  
 <textarea id="references" name="references" rows="4" required></textarea><br><br>  
  
 <input type="submit" value="Submit">  
</form>  
</fieldset>  
  
<script>  
 *document*.getElementById('entryForm').addEventListener('submit',function (){  
 const formData = {  
 name: *document*.getElementById('name').value,  
 father: *document*.getElementById("fatherName").value,  
 dob: *document*.getElementById("dob").value,  
 age: *document*.getElementById('age').value,  
 nationality: *document*.getElementById('nationality').value,  
 sex: *document*.getElementById('sex').value,  
 academicBackground: *document*.getElementById('academicBackground').value,  
 workExperience: *document*.getElementById('workExperience').value,  
 professionalSkills: *document*.getElementById('professionalSkills').value,  
 awards: *document*.getElementById('awards').value,  
 references: *document*.getElementById('references').value  
 }  
  
 *document*.write("<fieldset><legend><h2>Entered Details</h2></legend>");  
 *document*.write("<p><strong>Name:</strong> " + formData.name);  
 *document*.write("<p><strong>Father's Name:</strong> " + formData.father + "</p>");  
 *document*.write("<p><strong>Date of Birth:</strong> " + formData.dob + "</p>");  
 *document*.write("<p><strong>Age:</strong> " + formData.age + "</p>");  
 *document*.write("<p><strong>Nationality:</strong> " + formData.nationality + "</p>");  
 *document*.write("<p><strong>Sex:</strong> " + formData.sex + "</p>");  
 *document*.write("<p><strong>Academic Background:</strong> " + formData.academicBackground + "</p>");  
 *document*.write("<p><strong>Working Experience:</strong> " + formData.workExperience + "</p>");  
 *document*.write("<p><strong>Professional Skills:</strong> " + formData.professionalSkills + "</p>");  
 *document*.write("<p><strong>Awards and Achievements:</strong> " + formData.awards + "</p>");  
 *document*.write("<p><strong>References:</strong> " + formData.references + "</p>");  
 })  
</script>  
  
</body>  
</html>

A screenshot of a form

Description automatically generated

A screenshot of a computer

Description automatically generated



# Exercise 3:

<script>  
 let *n* = *window*.prompt("Enter a number");  
  
 for (let i = 0; i <= *n*; i++) {  
 if (i % 2 === 0) {  
 *document*.write("<h3>" + i + " is even<br>" + "</h3>");  
 } else {  
 *document*.write("<h3>" + i + " is odd<br>" + "</h3>");  
 }  
 }  
</script>

