
BASIC CALCULATOR

USING HTML, CSS AND
JAVASCRIPT



SEPTEMBER 13

TRAINEE NAME:

POOJA SHARMA

Internship id- UMIP19315

INDEX

Sr. No	Title	Page No.
1.	Introduction	
2.	Literature Survey	
3.	ER Diagram	
4.	Implementation	
5.	Output	
6.	Conclusion	
7.	References	

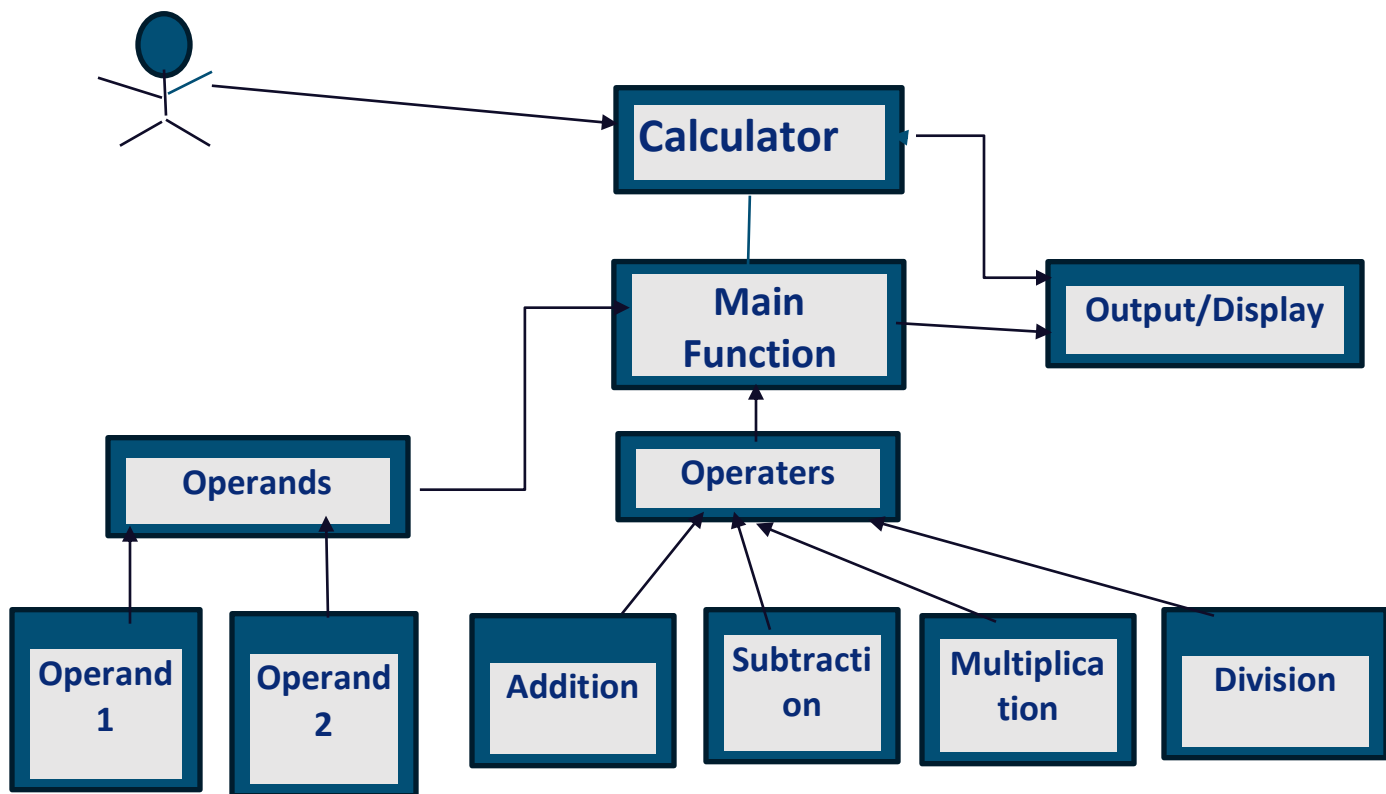
Introduction

The Basic Calculator is a system software which allow to perform simple mathematics operations such as addition,substration,multiplication and division etc. To develop this software system we the HTML,CSS and Javascript Language.

Literature Survey

Calculators are widely used devices nowadays. They make calculations easier and faster. Calculators are used by everyone in daily life. A basic calculator can be made using HTML, CSS, and JavaScript which is able to perform addition, subtraction, multiplication, and division on 2 or more operands given by the user. This program takes an arithmetic operator(+, -, *, /) and 2 operands from the user and performs the operation on those 2 operands depending upon the operator entered by the user.

ER Diagram



Implementation

1st I created the basic structure of basic calculator using HTML. I created display button for result/output. After I created 4 rows and 4 columns for designing button. Then I design 0 to 9 number buttons and 4 arithmetic operator buttons to perform addition, subtraction, multiplication and division. And 1 for point(.) and 1 for equal to(=)button. Then I use css for styling or arranging all button in proper manner and gave colour and border to calculator. After design part I used javascript function to perform the calculator effectively.

Html Code

```
<html>
<head>
<link rel="stylesheet" type="text/css" href="calculator.css" />
</head>
<body>
<script src="calculator.js">
</script>
</body>
<table>
<tr>
<th colspan="3"><input type="text" id="a">
<th><input type="button" value="C" onclick="clr()">
```

```
</tr>
<tr>
<th><input type="button" value="1" onclick ="pick(1)">
<th><input type="button" value="2" onclick ="pick(2)">
<th><input type="button" value="3" onclick ="pick(3)">
<th><input type="button" value="/" onclick ="pick('/')">
</tr>
<tr>
<th><input type="button" value="4" onclick ="pick(4)">
<th><input type="button" value="5" onclick ="pick(5)">
<th><input type="button" value="6" onclick ="pick(6)">
<th><input type="button" value="*" onclick ="pick('*)">
</tr>
<tr>
<th><input type="button" value="7" onclick ="pick(7)">
<th><input type="button" value="8" onclick ="pick(8)">
<th><input type="button" value="9" onclick ="pick(9)">
```

CSS Code

```
input[type="button"]
{
width:100%;
height:100%;
background-color: black;
color:white;

}
```

JAVA Script Code

```
function pick(val)
{
document.getElementById("a").value +=val;
}
function clr()
{
document.getElementById("a").value =" ";
}
function solve()
{
var x=document.getElementById("a").value;
var y= eval(x);
document.getElementById("a").value=y;
}
```

Output

Enter first number:3

Enter second number:2

1.ADDITION

2.SUBTRACTION

3.MULTIPLICATION

4.DIVISION

Enter your choice:1

5

1.ADDITION

2.SUBSTRACTION

3.MULTIPLICATION

4.DIVISION

Enter your choice:2

1

1.ADDITION

2.SUBSTRACTION

3.MULTIPLICATION

4.DIVISION

Enter your choice:3

6

1.ADDITION

2.SUBSTRACTION

3.MULTIPLICATION

4.DIVISION

Enter your choice:4

1.5

Conclusion

I have concluded that I have successfully developed a Basic Calculator which perform the various mathematics operations. I have used the javascript 4 functions to perform

each their repective task. This project help to all users to perform the mathematics operations very easily.

Refrences

- [W3Schools HTML Tutorial](#)
- [CSS MDN Documentation](#)
- [JavaScript MDN Documentation](#)
- [MDN JavaScript Guide](#)
- [Async JavaScript](#)
- [W3Schools CSS Responsive Design](#)