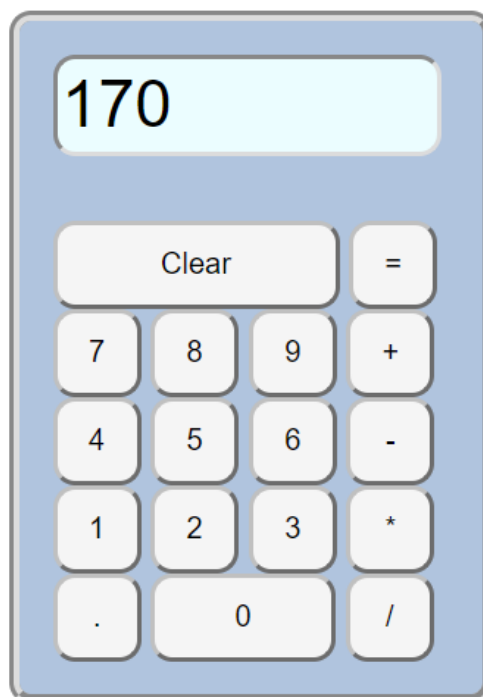
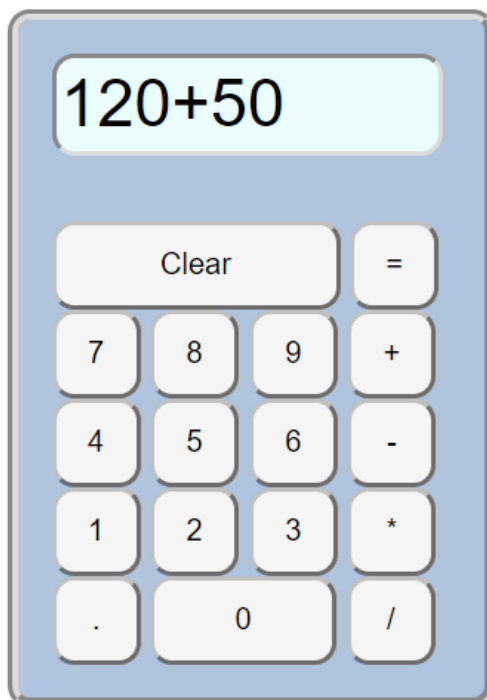
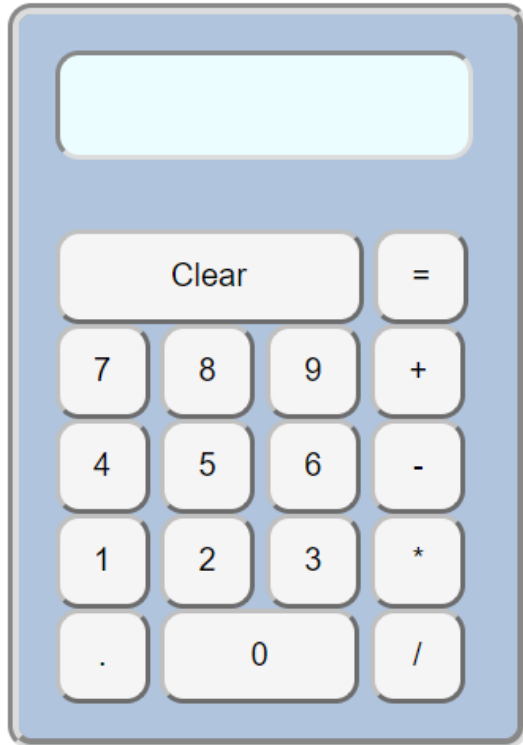


과제 7 – 계산기

최서연



1. <!DOCTYPE html>
2. <html>
3. <head>
4. <meta charset="UTF-8">
5. <title>계산기</title>
6. </head>
7. <style>
8. @import
9. url('https://fonts.googleapis.com/css2?family=Noto+Sans+KR:wght@300;600&display=swap');
10. body{
11. font-family: 'Noto Sans KR', sans-serif;
12. font-weight: 300;
13. font-size: 20px;
14. }
15. form{
16. padding: 15px;
17. width: 180px;
18. background-color: lightsteelblue;
19. border-radius: 10px;
20. border-color: gainsboro;
21. border-style: groove;
22. border-width: 5px;
23. }
24. input{

```
25. background-color: whitesmoke;

26. width: 40px;

27. height: 40px;

28. border-radius: 10px;

29. border-color:silver;

30. border-style: outset;

31. }

32. #exp{

33. background-color:#ebfdff;

34. width: 168px;

35. height: 40px;

36. border-color: gainsboro;

37. border-style: inset;

38. font-size: 30px;

39. }

40. </style>

41. <body>

42. <form>

43. <input id="exp" type="text" value="" disabled><br><br>

44. <input type="button" value="Clear" style="width: 130px;" onclick="reset()">

45. <input type="button" value="=" onclick="calculate()"><br>

46. <input type="button" value="7" onclick="add(7)">

47. <input type="button" value="8" onclick="add(8)">

48. <input type="button" value="9" onclick="add(9)">

49. <input type="button" value="+" onclick="add('+')"><br>
```

```
50. <input type="button" value="4" onclick="add(4)">
51. <input type="button" value="5" onclick="add(5)">
52. <input type="button" value="6" onclick="add(6)">
53. <input type="button" value="-" onclick="add('-')"><br>
54. <input type="button" value="1" onclick="add(1)">
55. <input type="button" value="2" onclick="add(2)">
56. <input type="button" value="3" onclick="add(3)">
57. <input type="button" value="*" onclick="add('*')"><br>
58. <input type="button" value="." onclick="add('.')">
59. <input type="button" value="0" style="width: 84px;" onclick="add(0)">
60. <input type="button" value="/" onclick="add('/')"><br>
61. </form>
62.
63. <script>
64. var numberSelected = false; //전에 입력받은 것이 숫자인지 구분
65. var calculated = false; //계산기 한 번 이루어졌는지 확인 (초기화 목적)
66. function isOperator(char){
67. switch(char){
68. case "+":
69. return true;
70. break;
71. case "-":
72. return true;
73. break;
74.
```

```
75. case "/":  
76. return true;  
77. break;  
78.  
79. case "*":  
80. return true;  
81. break;  
82.  
83. case ".":  
84. return true;  
85. break;  
86. default:  
87. return false;  
88. }  
89. }  
90. function add(char){  
91. var exp = document.getElementById('exp');  
92. if(calculated==true && isOperator(char) == false){ //계산이 이미 이루어졌고 다  
음에 입력 받은 것이 숫자면 식 초기화  
93. exp.value = "";  
94. calculated = false;  
95. }else if(calculated == true && isOperator(char) == true){ //계산이 이미 이루어  
졌고 다음에 입력 받은 것이 기호라면 이어서 계산  
96. calculated = false;  
97. }
```

```
98. if(numberSelected == true){ //전에 입력받은 것이 숫자인 경우 값 추가

99. exp.value += char;

100. }else{

101. if(isOperator(char)==false){

102. exp.value += char;

103. }else{ //전에 입력받은 것이 숫자가 아닌 경우(기호인 경우) 다음 입력이 숫자가
아니면 추가 X

104. }

105. }

106. if(isOperator(char)==false){

107. numberSelected = true;

108. }else{

109. numberSelected = false;

110. }

111. }

112. function calculate(){

113. var exp = document.getElementById("exp");

114. if(exp.value!=""){

115. exp.value = eval(exp.value);

116. calculated = true;

117. }

118. }

119. function reset(){

120. var exp = document.getElementById("exp");

121. exp.value="";
```

122. }

123. </script>

124. </body>

125. </html>