



Universidad Nacional Autónoma de México

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Carrera: Licenciatura en informática

Materia: Programación de dispositivos móviles

Asesor: Juan Manuel Martínez Fernández

En las siguientes actividades crearemos una calculadora:

a) Crea un nuevo proyecto en Flutter

*b) Abre en el navegador de tu elección la dirección:
<https://www.dartpad.dev/7eb211f335dc91d01748675a4a6de102>*

c) Ejecuta la aplicación

d) Completa los renglones con las operaciones de suma, resta y multiplicación

e) La calculadora no tendrá punto decimal

f) Agrega un renglón para el cero, el igual y la tecla "C" para limpiar las operaciones.

g) Crea un Gist público en Github con el contenido del archivo main.dart que modificaste

h) Anota tus respuestas, la liga del Gist público y las capturas de pantalla en un archivo PDF.



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⬇ Install SDK

```
1 import 'package:flutter/material.dart';
2
3 void main() {
4   runApp(MaterialApp(
5     home: CalculatorApp(),
6   ));
7 }
8
9 class CalculatorApp extends StatefulWidget {
10   @override
11   CalculatorAppState createState() => CalculatorAppState();
12 }
13
14 class CalculatorAppState extends State<CalculatorApp> {
15   double operand1 = 0.0;
16   double operand2 = 0.0;
17   String operation;
18   String calculation = "0";
19
20   void onPressedOfButton(String text) {
21     //Por hacer
22   }
23
24   @override
25   Widget build(BuildContext context) {
26     return Scaffold(
27       body: Card(
28         child: Column(
29           mainAxisAlignment: MainAxisAlignment.center,
30           children: <Widget>[
31             Padding(
32               padding: EdgeInsets.all(16),
33             ),
34           ],
35         ),
36       ),
37     );
38   }
39 }
```

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```
25 @override
26 Widget build(BuildContext context) {
27   return Scaffold(
28     body: Card(
29       child: Column(
30         mainAxisAlignment: MainAxisAlignment.center,
31         children: <Widget>[
32           Padding(
33             padding: EdgeInsets.all(16),
34             child: Align(
35               alignment: Alignment.centerRight,
36               child: Text(calculation, style: TextStyle(fontSize: 30)),
37             ),
38           Row(
39             mainAxisAlignment: MainAxisAlignment.spaceEvenly,
40             children: <Widget>[
41               //Componente boton
42               Container(
43                 padding: EdgeInsets.all(2.0),
44                 child: RaisedButton(
45                   child: Text(
46                     "7",
47                     style: TextStyle(color: Colors.white),
48                   ),
49                   color: Colors.red,
50                   onPressed: () {},
51                 ),
52               //Componente boton
53               Container(
54                 padding: EdgeInsets.all(2.0),
55                 child: RaisedButton(
56                   child: Text(
57                     "8",
58                     style: TextStyle(color: Colors.white),
```

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```
55         child: RaisedButton(  
56           child: Text(  
57             "8",  
58             style: TextStyle(color: Colors.white),  
59           ),  
60           color: Colors.red,  
61           onPressed: () {},  
62         )),  
63  
64         //Componente boton  
65         Container(  
66           padding: EdgeInsets.all(2.0),  
67           child: RaisedButton(  
68             child: Text(  
69               "9",  
70               style: TextStyle(color: Colors.white),  
71             ),  
72             color: Colors.red,  
73             onPressed: () {},  
74           )),  
75  
76         //Componente boton  
77         Container(  
78           padding: EdgeInsets.all(2.0),  
79           child: RaisedButton(  
80             child: Text(  
81               "0",  
82               style: TextStyle(color: Colors.white),  
83             ),  
84             color: Colors.black,  
85             onPressed: () {},  
86           )),  
87       ],  
88     ),
```

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```
89     Row(  
90       mainAxisAlignment: MainAxisAlignment.spaceEvenly,  
91       children: <Widget>[  
92         //Componente boton  
93         Container(  
94           padding: EdgeInsets.all(2.0),  
95           child: RaisedButton(  
96             child: Text(  
97               "4",  
98               style: TextStyle(color: Colors.white),  
99             ),  
100            color: Colors.red,  
101            onPressed: () {},  
102          )),  
103         //Componente boton  
104         Container(  
105           padding: EdgeInsets.all(2.0),  
106           child: RaisedButton(  
107             child: Text(  
108               "5",  
109               style: TextStyle(color: Colors.white),  
110             ),  
111            color: Colors.red,  
112            onPressed: () {},  
113          )),  
114         //Componente boton  
115         Container(  
116           padding: EdgeInsets.all(2.0),  
117           child: RaisedButton(  
118             child: Text(  
119               "6",  
120               style: TextStyle(color: Colors.white),  
121             ),  
122           ),
```

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```
121         style: TextStyle(color: Colors.white),
122       ),
123       color: Colors.red,
124       onPressed: () {},
125     )),
126
127     //Componente boton
128     Container(
129       padding: EdgeInsets.all(2.0),
130       child: RaisedButton(
131         child: Text(
132           "/",
133           style: TextStyle(color: Colors.white),
134         ),
135         color: Colors.black,
136         onPressed: () {},
137       )),
138   ),
139
140   Row(
141     mainAxisAlignment: MainAxisAlignment.spaceEvenly,
142     children: <Widget>[
143       //Componente boton
144       Container(
145         padding: EdgeInsets.all(2.0),
146         child: RaisedButton(
147           child: Text(
148             "1",
149             style: TextStyle(color: Colors.white),
150           ),
151           color: Colors.red,
152           onPressed: () {},
153         )),
154       //Componente boton
```

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```
154 //Componente boton
155 Container(
156   padding: EdgeInsets.all(2.0),
157   child: RaisedButton(
158     child: Text(
159       "2",
160       style: TextStyle(color: Colors.white),
161     ),
162     color: Colors.red,
163     onPressed: () {},
164   )),
165
166 //Componente boton
167 Container(
168   padding: EdgeInsets.all(2.0),
169   child: RaisedButton(
170     child: Text(
171       "3",
172       style: TextStyle(color: Colors.white),
173     ),
174     color: Colors.red,
175     onPressed: () {},
176   )),
177
178 //Componente boton
179 Container(
180   padding: EdgeInsets.all(2.0),
181   child: RaisedButton(
182     child: Text(
183       "-",
184       style: TextStyle(color: Colors.white),
185     ),
186     color: Colors.black,
187     onPressed: () {},
```

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⬇ Install SDK

```
187         onPressed: () {},
188       )),
189     ],
190   ),
191   Row(
192     mainAxisAlignment: MainAxisAlignment.spaceEvenly,
193     children: <Widget>[
194       //Componente boton
195       Container(
196         padding: EdgeInsets.all(2.0),
197         child: RaisedButton(
198           child: Text(
199             "C",
200             style: TextStyle(color: Colors.white),
201           ),
202           color: Colors.red,
203           onPressed: () {},
204         )),
205       //Componente boton
206       Container(
207         padding: EdgeInsets.all(2.0),
208         child: RaisedButton(
209           child: Text(
210             "0",
211             style: TextStyle(color: Colors.white),
212           ),
213           color: Colors.red,
214           onPressed: () {},
215         )),
216       //Componente boton
217       Container(
218         padding: EdgeInsets.all(2.0),
219         child: RaisedButton(
220
```

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Install SDK

Actividad 6

Samples

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```
        onPressed: () {},
      )),
    //Componente boton
    Container(
      padding: EdgeInsets.all(2.0),
      child: RaisedButton(
        child: Text(
          "=",
          style: TextStyle(color: Colors.white),
        ),
        color: Colors.red,
        onPressed: () {},
      )),
    //Componente boton
    Container(
      padding: EdgeInsets.all(2.0),
      child: RaisedButton(
        child: Text(
          "+",
          style: TextStyle(color: Colors.white),
        ),
        color: Colors.black,
        onPressed: () {},
      )),
  )),
),
),
);
}
```

RUN

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Console

Documentation

Liga: https://github.com/89451/Unidad2_Actividad2.git