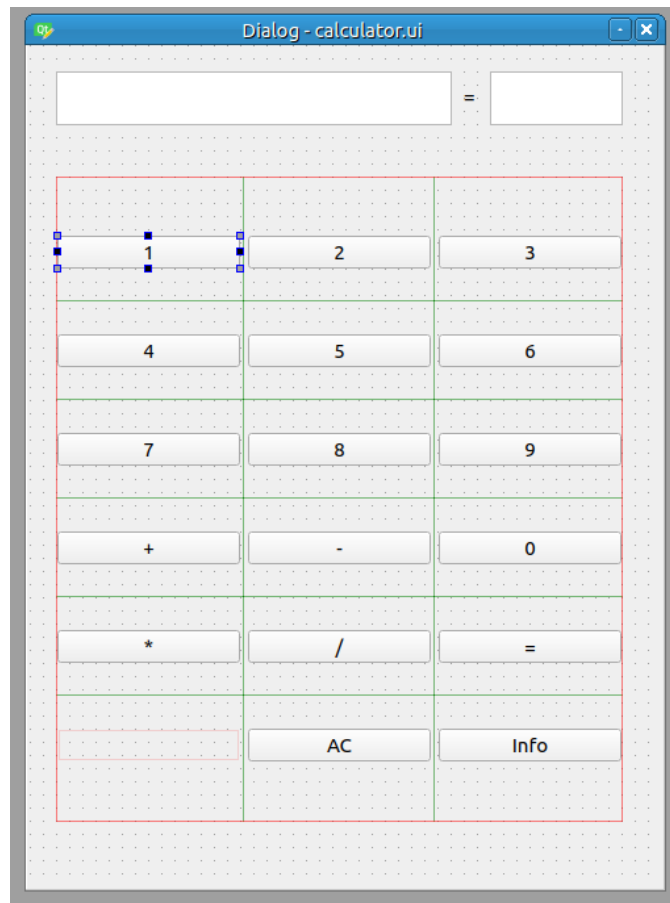


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Tarea Nro. 3 - SB: Desarrollo de GUIs, Testing

Para completar la tarea documente (capturas + código más importante) en un archivo PDF la solución a los dos problemas. De forma separada también agregue un archivo .zip con los archivos utilizados para resolver la tarea.

Creación de la interfaz:



```
def addition(a : int, b : int):  
    | return a + b  
  
def minus(a : int, b : int):  
    | return a - b  
  
def multiplication(a : int, b : int):  
    | return a * b  
  
def division(a : int, b : int):  
    | return a / b
```

```
import unittest  
import operations  
  
class TestOperations(unittest.TestCase):  
    |  
    def test_addition(self):  
    |     self.assertEqual(operations.addition(70, 2), 72)  
    |  
    def test_minus(self):  
    |     self.assertEqual(operations.minus(15, 15), 0)  
    |  
    def test_multiplication(self):  
    |     self.assertEqual(operations.multiplication(10, 10), 100)  
    |  
    def test_division(self):  
    |     self.assertEqual(operations.division(50, 2), 25)  
    |  
  
if __name__ == '__main__':  
    |     unittest.main()
```

```
(fenv) Fernando@fernando-ubuntu: ~/Documents/GitHub/python_sot/raed/ssegundobimestre/raed$ python -m unittest test  
.....  
Ran 4 tests in 0.000s  
  
OK
```

```
def calculate_result(self, new_input: str):

    if self.dialog.lineEditResult.text() == '':
        self.dialog.lineEditResult.setText(new_input)

    else:
        cache_number = int(self.dialog.lineEditResult.text())
        target_operator = self.dialog.labelOperator.text()
        try:
            new_number = int(new_input)

            if target_operator == '+':
                result = operations.addition(cache_number, new_number)
            elif target_operator == '-':
                result = operations.minus(cache_number, new_number)
            elif target_operator == '*':
                result = operations.multiplication(cache_number, new_number)
            elif target_operator == '/':
                if new_number == 0:
                    self.throw_error()
                else:
                    result = operations.division(cache_number, new_number)

            self.dialog.lineEditInput.setText('')
            self.dialog.lineEditResult.setText(str(result))
        except:
            self.throw_error()
```

Resultado final:

Dialog

-

=

-136

1

2

3

4

5

6

7

8

9

+

-

0

*

/

=

AC

Info