Pemrograman Desktop 4

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Input – Output 1

```python
import sys
from PyQt6.QtWidgets import QApplication, QMainWindow, QLineEdit, QPushButton, QLabel

class MyForm(QMainWindow):
    def __init__(self):
        super().__init__()
        self.setWindowTitle("Show Input")
        self.resize(280, 220)
        self.lineEdit = QLineEdit(self)
        self.lineEdit.setGeometry(85, 27, 113, 22)
        self.lineEdit_2 = QLineEdit(self)
        self.lineEdit_2.setGeometry(85, 68, 113, 22)
        self.pushButton = QPushButton(self)
        self.pushButton.setGeometry(90, 110, 93, 28)
        self.label = QLabel(self)
        self.label.setGeometry(90, 161, 125, 16)
        self.pushButton.setText("PushButton")
        self.label.setText("TextLabel")
        self.pushButton.clicked.connect(self.displayMessage)
```
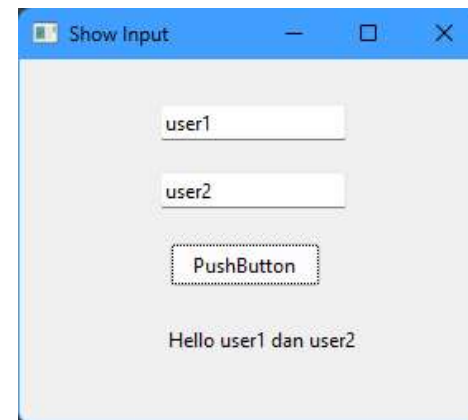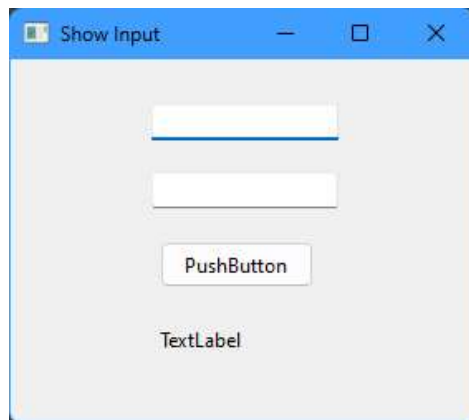
Input – Output 1

```
 def displayMessage(self):
     self.label.setText("Hello " + self.lineEdit.text() + " dan " +
self.lineEdit_2.text())


if __name__ == "__main__":
    app = QApplication(sys.argv)
    myapp = MyForm()
    myapp.show()
    app.exec()
```

Input – Output 1

Kalkulator

```python
import sys
from PyQt6.QtWidgets import QApplication, QMainWindow, QLineEdit, QRadioButton,
QPushButton, QLabel

class MyForm(QMainWindow):
    def __init__(self):
        super().__init__()
        self.setWindowTitle("Kalkulator Sederhana")
        self.resize(290, 415)
        self.radioButton = QRadioButton(self)
        self.radioButton.setGeometry(60, 110, 95, 20)
        self.radioButton_2 = QRadioButton(self)
        self.radioButton_2.setGeometry(60, 150, 95, 20)
        self.radioButton_3 = QRadioButton(self)
        self.radioButton_3.setGeometry(60, 190, 95, 20)
        self.radioButton_4 = QRadioButton(self)
        self.radioButton_4.setGeometry(60, 230, 95, 20)
```

Kalkulator

```python
self.label = QLabel(self)
self.label.setGeometry(20, 270, 121, 16)
self.label_2 = QLabel(self)
self.label_2.setGeometry(20, 30, 131, 16)
self.lineEdit = QLineEdit(self)
self.lineEdit.setGeometry(160, 30, 113, 22)
self.lineEdit_2 = QLineEdit(self)
self.lineEdit_2.setGeometry(160, 70, 113, 22)
self.pushButton = QPushButton(self)
self.pushButton.setGeometry(120, 310, 93, 28)
self.label_3 = QLabel(self)
self.label_3.setGeometry(20, 70, 131, 16)
```

Kalkulator

```python
        self.radioButton.setText("Tambah")
        self.radioButton_2.setText("Kurang")
        self.radioButton_3.setText("Kali")
        self.radioButton_4.setText("Bagi")
        self.label.setText("TextLabel")
        self.label_2.setText("Enter First Number")
        self.pushButton.setText("PushButton")
        self.label_3.setText("Enter Second Number")
        self.pushButton.clicked.connect(self.calculate)

    def calculate(self):
        result = 0
        if len(self.lineEdit.text()) != 0:
            a = int(self.lineEdit.text())
        else:
            a = 0
        if len(self.lineEdit_2.text()) != 0:
            b = int(self.lineEdit_2.text())
        else:
            b = 0
```

Kalkulator

```python
    if self.radioButton.isChecked():
        result = a + b
      if self.radioButton_2.isChecked():
        result = a - b
      if self.radioButton_3.isChecked():
        result = a * b
      if self.radioButton_4.isChecked():
        result = a / b
      self.label.setText("Hasil: " + str(result))


  if __name__ == "__main__":
    app = QApplication(sys.argv)
    myapp = MyForm()
    myapp.show()
    app.exec()
```

Kalkulator

Warung

```python
import sys
from PyQt6.QtWidgets import QApplication, QMainWindow, QLineEdit, QPushButton, QLabel, QCheckBox

class MyForm(QMainWindow):
    def __init__(self):
        super().__init__()
        self.setWindowTitle("Warung")
        self.resize(310, 360)
        self.checkBox = QCheckBox(self)
        self.checkBox.setGeometry(90, 70, 141, 20)
        self.checkBox_2 = QCheckBox(self)
        self.checkBox_2.setGeometry(90, 110, 121, 20)
        self.checkBox_3 = QCheckBox(self)
        self.checkBox_3.setGeometry(90, 150, 111, 20)
        self.checkBox_4 = QCheckBox(self)
        self.checkBox_4.setGeometry(90, 190, 111, 20)
        self.pushButton = QPushButton(self)
        self.pushButton.setGeometry(110, 240, 93, 28)
        self.lineEdit = QLineEdit(self)
        self.lineEdit.setEnabled(False)
        self.lineEdit.setGeometry(120, 300, 113, 22)
```

Warung

```python
self.label = QLabel(self)
self.label.setGeometry(40, 300, 81, 16)
self.label_2 = QLabel(self)
self.label_2.setGeometry(90, 10, 201, 41)
self.checkBox.setText("Pecel 10.000")
self.checkBox_2.setText("Nasgor 12.000")
self.checkBox_3.setText("Sop 12.000")
self.checkBox_4.setText("Lodeh 13.000")
self.pushButton.setText("Hitung")
self.lineEdit.setText("0")
self.label.setText("Total Harga:")
self.label_2.setText("Warung Kita")

font = self.label_2.font()
font.setPointSize(19)
font.setBold(True)
font.setUnderline(True)
font.setWeight(75)
self.label_2.setFont(font)

self.pushButton.clicked.connect(self.calculate)
```

Warung

```python
def calculate(self):
    res = 0
    if self.checkBox.isChecked():
        res = res + 10000
    if self.checkBox_2.isChecked():
        res = res + 12000
    if self.checkBox_3.isChecked():
        res = res + 12000
    if self.checkBox_4.isChecked():
        res = res + 13000
    self.lineEdit.setText(str(res))


if __name__ == "__main__":
    app = QApplication(sys.argv)
    myapp = MyForm()
    myapp.show()
    app.exec()
```

Warung

SpinBox

```python
import sys
from PyQt6.QtWidgets import QApplication, QLabel, QMainWindow, QPushButton, QSpinBox, QLineEdit, QDoubleSpinBox

class MyForm(QMainWindow):
    def __init__(self):
        super().__init__()
        self.setWindowTitle("Spin Box")
        self.resize(378, 178)
        self.pushButton = QPushButton(self)
        self.pushButton.setGeometry(140, 130, 93, 28)
        self.spinBox = QSpinBox(self)
        self.spinBox.setGeometry(120, 30, 81, 22)
        self.label = QLabel(self)
        self.label.setGeometry(20, 30, 111, 16)
        self.label_2 = QLabel(self)
        self.label_2.setGeometry(20, 70, 91, 16)
        self.label_3 = QLabel(self)
        self.label_3.setGeometry(140, 100, 151, 16)
        self.lineEdit = QLineEdit(self)
        self.lineEdit.setEnabled(False)
        self.lineEdit.setGeometry(240, 30, 113, 22)
```

SpinBox

```python
self.lineEdit_2 = QLineEdit(self)
    self.lineEdit_2.setEnabled(False)
    self.lineEdit_2.setGeometry(240, 60, 113, 22)
    self.doubleSpinBox = QDoubleSpinBox(self)
    self.doubleSpinBox.setGeometry(120, 70, 81, 22)
    self.doubleSpinBox.setSingleStep(0.1)
    self.pushButton.setText("Jumlahkan")
    self.label.setText("Angka pertama")
    self.label_2.setText("Angka kedua")
    self.label_3.setText("TextLabel")

    self.spinBox.editingFinished.connect(self.tampil1)
    self.doubleSpinBox.editingFinished.connect(self.tampil2)
    self.pushButton.clicked.connect(self.calculate)

def tampil1(self):
    self.lineEdit.setText(str(self.spinBox.value()))

def tampil2(self):
    self.lineEdit_2.setText(str(self.doubleSpinBox.value()))
```

SpinBox
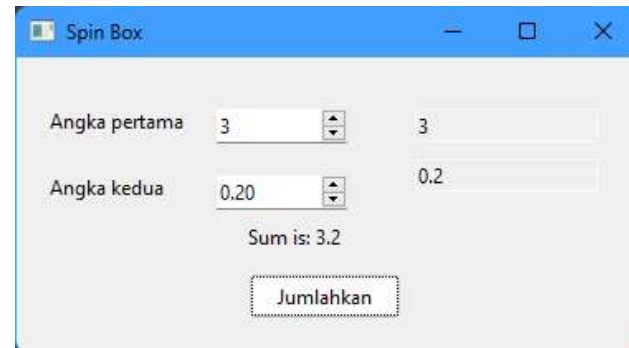
```python
    def calculate(self):
        jumlah = self.spinBox.value() + self.doubleSpinBox.value()
        self.label_3.setText('Sum is: ' + str(jumlah))


    if __name__ == "__main__":
        app = QApplication(sys.argv)
        myapp = MyForm()
        myapp.show()
        app.exec()
```

SpinBox