

# ACTIVITY

```
1 import sys
2 from PyQt5.QtWidgets import QApplication, QWidget, QLabel, QVBoxLayout, QPushButton, QLineEdit, QTextEdit, QMessageBox
3
4
5 class ComplexGUI(QWidget):
6     def __init__(self):
7         super().__init__()
8         self.initUI()
9
10    def initUI(self):
11        self.setWindowTitle('Activity')
12
13        # Membuat label
14        label_name = QLabel('Nama:', self)
15        label_class = QLabel('Kelas:', self)
16        label_student_id = QLabel('Nomor Induk:', self)
17
18        # Membuat input teks
19        self.name_input = QLineEdit(self)
20        self.class_input = QLineEdit(self)
21        self.student_id_input = QLineEdit(self)
22
23        # Membuat tombol
24        button = QPushButton('Cetak', self)
25        button.clicked.connect(self.on_button_clicked)
26
27        # Membuat area teks
28        self.text_area = QTextEdit(self)
29
30        # Membuat layout vertikal
31        layout = QVBoxLayout()
32        layout.addWidget(label_name)
33        layout.addWidget(self.name_input)
34        layout.addWidget(label_class)
35        layout.addWidget(self.class_input)
36        layout.addWidget(label_student_id)
37        layout.addWidget(self.student_id_input)
38        layout.addWidget(button)
39        layout.addWidget(self.text_area)
40
41        # Mengatur layout utama
42        self.setLayout(layout)
43
44        self.show()
45
46    def on_button_clicked(self):
47        name = self.name_input.text()
48        student_class = self.class_input.text()
49        student_id = self.student_id_input.text()
50
51        if name and student_class and student_id:
52            info = f'Nama: {name}\nKelas: {student_class}\nNomor Induk: {student_id}'
53            self.text_area.setText(info)
54        else:
55            QMessageBox.warning(self, 'Peringatan', 'Silakan isi semua bidang.')
56
57
58 if __name__ == '__main__':
59     app = QApplication(sys.argv)
60     gui = ComplexGUI()
61     sys.exit(app.exec_())
```