# 1-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QWidget, QVBoxLayout, QLabel

# class MyApplication(QWidget):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.initUI()

# def initUI(self):

# self.setWindowTitle('Bittaa Loyiha')

# self.setGeometry(100, 100, 400, 300)

# layout = QVBoxLayout()

# for i in range(12):

# label = QLabel(f'Widget {i+1}', self)

# layout.addWidget(label)

# self.setLayout(layout)

# self.show()

# if \_\_name\_\_ == '\_\_main\_\_':

# app = QApplication(sys.argv)

# window = MyApplication()

# sys.exit(app.exec\_())

# 2-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QWidget, QPushButton

# def button\_clicked():

# print("Bosildi")

# app = QApplication(sys.argv)

# window = QWidget()

# window.setGeometry(100, 100, 200, 100)

# button = QPushButton("Bos", window)

# button.setGeometry(50, 30, 100, 30)

# button.clicked.connect(button\_clicked)

# window.show()

# sys.exit(app.exec\_())

# 3-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QMainWindow, QPushButton, QLabel

# class MyWindow(QMainWindow):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.setWindowTitle("Button bosilishlarini hisoblash")

# self.setGeometry(100, 100, 300, 200)

# self.button = QPushButton("Meni bos", self)

# self.button.setGeometry(50, 50, 200, 50)

# self.button.clicked.connect(self.button\_clicked)

# self.label = QLabel("0 marta bosildi", self)

# self.label.setGeometry(50, 120, 200, 50)

# self.counter = 0

# def button\_clicked(self):

# self.counter += 1

# self.label.setText(f"{self.counter} marta button bosildi")

# if \_\_name\_\_ == "\_\_main\_\_":

# app = QApplication(sys.argv)

# window = MyWindow()

# window.show()

# sys.exit(app.exec\_())

# 4-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QMainWindow, QVBoxLayout, QWidget, QLineEdit, QLabel

# class MainWindow(QMainWindow):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.setWindowTitle("Yozuv Uzunligi")

# self.setGeometry(100, 100, 300, 100)

# layout = QVBoxLayout()

# widget = QWidget()

# widget.setLayout(layout)

# self.setCentralWidget(widget)

# self.input\_line = QLineEdit()

# self.input\_line.textChanged.connect(self.update\_length)

# self.length\_label = QLabel()

# layout.addWidget(self.input\_line)

# layout.addWidget(self.length\_label)

# def update\_length(self):

# text = self.input\_line.text()

# length = len(text)

# self.length\_label.setText(f"spase Uzunligi: {length}")

# if \_\_name\_\_ == "\_\_main\_\_":

# app = QApplication(sys.argv)

# window = MainWindow()

# window.show()

# sys.exit(app.exec\_())

# 5-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QMainWindow, QPushButton

# class MyWindow(QMainWindow):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.button = QPushButton("30", self)

# self.button.clicked.connect(self.decrease\_count)

# self.button.setEnabled(True)

# self.count = 30

# def decrease\_count(self):

# self.count -= 1

# if self.count == 0:

# self.button.setEnabled(False)

# self.button.setText(str(self.count))

# if \_\_name\_\_ == "\_\_main\_\_":

# app = QApplication(sys.argv)

# window = MyWindow()

# window.show()

# sys.exit(app.exec\_())

# 6-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QWidget, QPushButton

# class MyWindow(QWidget):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.initUI()

# def initUI(self):

# self.setGeometry(300, 300, 250, 150)

# self.setWindowTitle('Sichqoncha Dasturi')

# button = QPushButton('Sichqoncha', self)

# button.clicked.connect(self.buttonClicked)

# def buttonClicked(self):

# print('Bosildi')

# button = self.sender()

# button.clicked.disconnect(self.buttonClicked)

# button.clicked.connect(self.buttonClickedTwice)

# def buttonClickedTwice(self):

# print('Niqtama!')

# button = self.sender()

# button.clicked.disconnect(self.buttonClickedTwice)

# button.clicked.connect(self.buttonClicked)

# if \_\_name\_\_ == '\_\_main\_\_':

# app = QApplication(sys.argv)

# window = MyWindow()

# window.show()

# sys.exit(app.exec\_())

# 7-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QWidget, QLabel, QVBoxLayout, QLineEdit

# class MyWidget(QWidget):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.init\_ui()

# def init\_ui(self):

# self.setWindowTitle("Labelga yozuv")

# layout = QVBoxLayout()

# self.label = QLabel()

# layout.addWidget(self.label)

# self.text\_edit = QLineEdit()

# self.text\_edit.returnPressed.connect(self.update\_label)

# layout.addWidget(self.text\_edit)

# self.setLayout(layout)

# def update\_label(self):

# text = self.text\_edit.text()

# self.label.setText(text)

# if \_\_name\_\_ == '\_\_main\_\_':

# app = QApplication(sys.argv)

# widget = MyWidget()

# widget.show()

# sys.exit(app.exec())

# 8-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QMainWindow, QPushButton

# from random import choice

# class MyWindow(QMainWindow):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.setWindowTitle("My App")

# self.setGeometry(100, 100, 200, 200)

# button = QPushButton("Tugma", self)

# button.setGeometry(50, 50, 100, 50)

# button.clicked.connect(self.changeWindowTitle)

# self.show()

# def changeWindowTitle(self):

# titles = ["Hisoblash dasturi", "Macbook App", "PyQt dasturlash"]

# new\_title = choice(titles)

# self.setWindowTitle(new\_title)

# if \_\_name\_\_ == "\_\_main\_\_":

# app = QApplication(sys.argv)

# window = MyWindow()

# sys.exit(app.exec())

# 9-misol

# import sys

# from PyQt5.QtWidgets import QApplication, QWidget

# from PyQt5.QtCore import Qt

# class MeningOyna(QWidget):

# def \_\_init\_\_(self):

# super().\_\_init\_\_()

# self.setWindowTitle("Fayl Olayi Misol")

# self.setGeometry(100, 100, 300, 200)

# def mousePressEvent(self, event):

# if event.button() == Qt.LeftButton:

# print("Chap tugma bosildi")

# elif event.button() == Qt.RightButton:

# print("O'ng tugma bosildi")

# def mouseDoubleClickEvent(self, event):

# if event.button() == Qt.LeftButton:

# print("Chap tugma ikki marta bosildi")

# def mouseMoveEvent(self, event):

# print("Fayl harakat qilmoqda. Yangi o'rnatma:", event.pos())

# def wheelEvent(self, event):

# if event.angleDelta().y() > 0:

# print("Charka yuqoriga harakat qildi.")

# else:

# print("Charka pastga harakat qildi.")

# if \_\_name\_\_ == '\_\_main\_\_':

# app = QApplication(sys.argv)

# oyna = MeningOyna()

# oyna.show()

# sys.exit(app.exec\_())