PYQT6 Course

5. Layout Management QVBoxLayout

We have saw QHBoxLayout example, now let's talk about another type of layout, that is called QVBoxLayout, with QVBoxLayout we can align our widgets vertically.

- addWidget(): This method is used for adding widgets to the layout.
- addLayout(): This method is used for adding an specific layout to another layout.
- addSpacing(): This method is used for adding space from the right side.
- addStretch(): This method is used for stretching all the widgets in the vertical box layout.

For creating of vertical box layout, first you need to create the object of QVoxLayout.

```
vbox = QVBoxLayout()
```

When you are working with layout management then you should have some widgets to add that in the layout, in our case we are building a simple layout system and we want to add some QPushButton in the QVBoxLayout, so first you need to create some buttons.

```
btn1 = QPushButton("Click One")
btn2 = QPushButton("Click Two")
btn3 = QPushButton("Click Three")
btn4 = QPushButton("Click Four")
```

For adding the buttons in the QVBoxLayout, we need to use a method from QVBoxLayout that is called addWidget().

```
vbox.addWidget(btn1)
```

One important point that you should take a note, when creating layouts and after adding widgets to the layout, you need to set the main window layout to the specific layout.

```
self.setLayout(vbox)
```