Flutter Buttons - "Old" and "New" Buttons

Most Flutter apps need buttons for user interaction – and hence in this course, we'll use lots of buttons.

For example, in the lecture to which this document is attached, we're using the `RaisedButton` widget.

As of **Flutter 2** (released in March 2021), this widget is **deprecated**. Which means that you can still use it, but it will eventually be removed in the future (not in the near future though, no worries).

Instead of `RaisedButton`, you may switch to the "new" `ElevatedButton`.

I.e. instead of

```
RaisedButton(child: Text('Some text'), onPressed: ...)
```

write

```
ElevatedButton(child: Text('Some text'), onPressed: ...)
```

For this course, I **recommend that you stick** to `RaisedButton` though – it makes following along easier and you'll find plenty of examples and resources out there which also use this and other "old" buttons (more on the other buttons below).

Later in the course, you'll also learn about a `FlatButton` (no border, no background color) and an `OutlineButton` (no background but a border).

Those buttons can also be replaced with "new" alternatives:

- `FlatButton` is replaced with `TextButton`
- `OutlineButton` is replaced with `OutlinedButton`

You can learn more about the migration from "old" to "new" buttons in the official migration document: https://flutter.dev/go/material-button-migration-guide

As mentioned above, my **recommendation for a smooth course experience is that you stick to the "old" buttons for now**.

If you stick to the "old" buttons and you want to disable the strikethrough effect in Visual Studio Code, you can do so in the VS Code settings. Search for "deprecated" and disable the "Show deprecated" setting.

Migrating from the "old" to the "new" buttons requires a bit more work if **styling is involved** (e.g. if you're setting a background color or a text color).

For example, this code

```
RaisedButton(
  child: ...,
  onPressed: ...,
  color: Colors.blue,
  textColor: Colors.white,
)
```

would be re-written like this if you migrate from `RaisedButton` to `ElevatedButton`:

```
ElevatedButton(
  child: ...,
  onPressed: ...,
  style: ButtonStyle(
    foregroundColor:
MaterialStateProperty.all(Colors.white),
    backgroundColor:
MaterialStateProperty.all(Colors.blue),
  )
)
```

You can also use a slightly shorter alternative:

```
ElevatedButton(
  child: ...,
  onPressed: ...,
  style: ElevatedButton.styleFrom(
    primary: Colors.blue,
    onPrimary: Colors.white
  )
)
```