Animations in Compose Cheat Sheet

**Animate appearing / disappearing**
Use `AnimatedVisibility` to hide/show a Composable. `onEnterExit()` can be used to animate enter/exit for their own enter/exit transition.

```kotlin
AnimatedVisibility(Visible) {
  // your composable here
}
```

### Animations

- `AnimatedContent` for animating between composable size changes.
- `AnimatedVisibility` for animating visibility.
- `AnimatedValue` for animating individual properties from state.
- `AnimatedStringsResource` for animating individual properties from states.
- `AnimatedVectorDrawable` for animating vector drawables.

### Animation specs

- **tween** - animate (with easing) between two values with a duration.
- **spring** - physics-based animation with damping ratio and stiffness (no duration)
- **keyframes** - specify different states at different keyframes.
- **repeatable** - duration based spec runs repeatedly for # of iterations.
- **infiniteRepeatable** - duration based spec runs forever
- **snap** - spec that instantly switches to new value.

### Easing functions

- Describes the rate of change over time for an animation. Linear moves at the same constant speed. Others like EaseIn, are slow to start then progress to a linear function.

### Concurrent animations

- Use composable APIs, or Transition API (see transition block for alternatives) for concurrent animations.

### Sequential animations

- Use the `animateTo()` or `animateToOneEnd()` methods.

### Learn more

docs: [compose-animations](https://developer.android.com/reference/kotlin/androidx/compose/widget/AnimatedValue)
codex: [compose-animations-codead](https://github.com/android/codelabs)