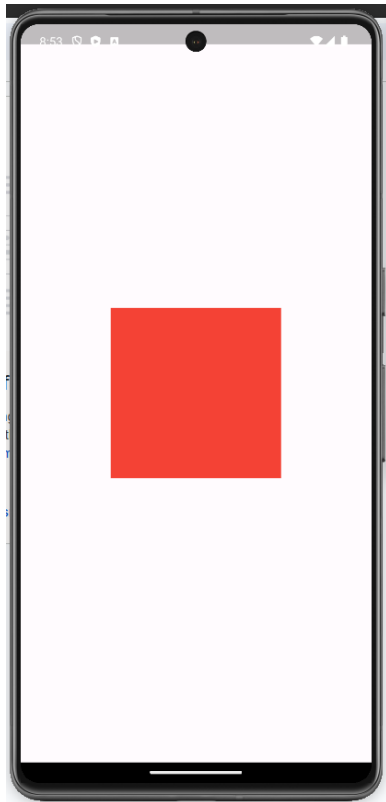# Container Exercise

## Parameter of Container:

**height & width:**

**color:**

```
Container heightWidthColor() {
  return Container(
    height: 200,
    width: 200,
    color: Colors.red,
  );
}
```
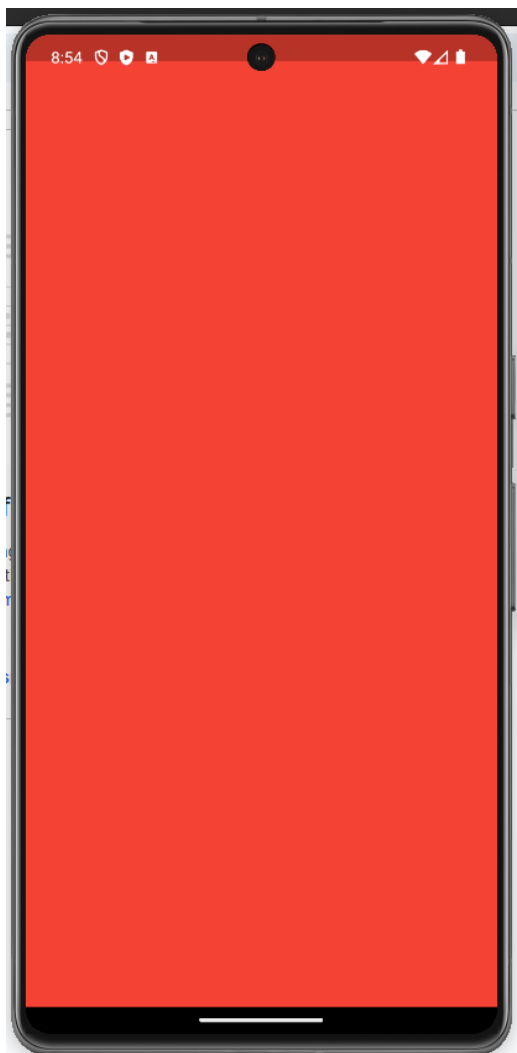
**OUTPUT:**

## padding:

**code1:**

```dart
Container padding1() {
  return Container(
    padding: const EdgeInsets.symmetric(
      horizontal: 10,
      vertical: 10,
    ),
    color: Colors.red,
  );
}
```
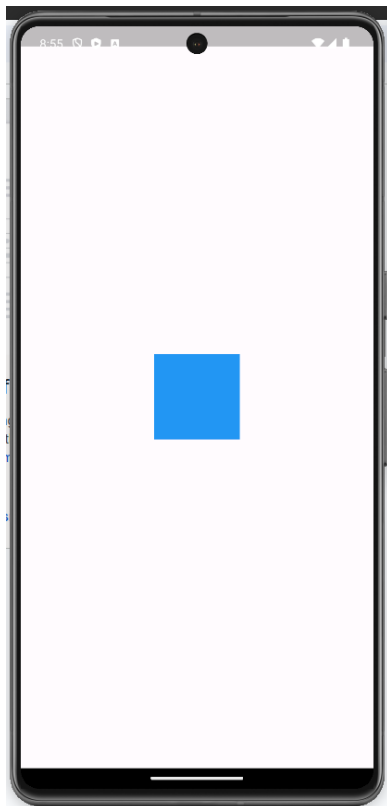
**OUTPUT:**

**code2:**

```
Container padding2() {
  return Container(
    padding: const EdgeInsets.only(
      left: 10,
      right: 10,
      top: 10,
      bottom: 10,
    ),
    height: 100,
    width: 100,
    color: Colors.blue,
  );
}
```
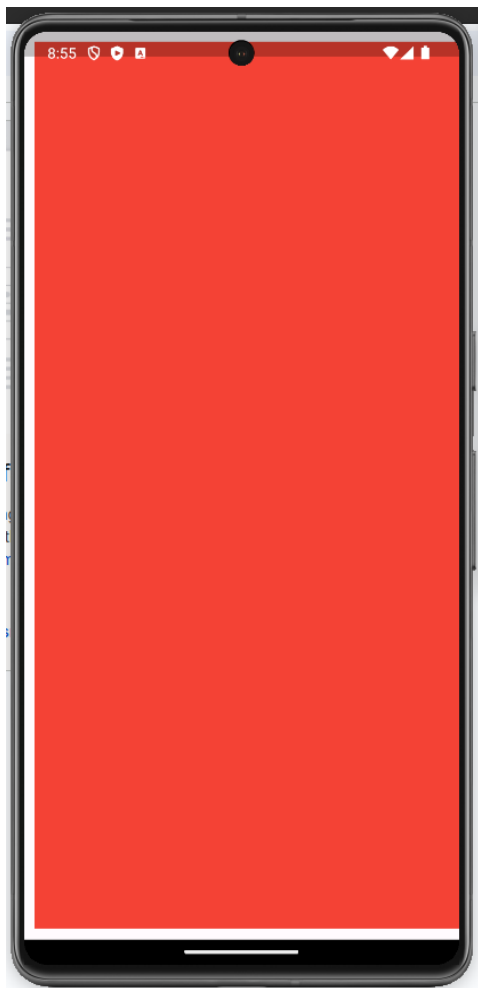
**OUTPUT:**

**margin:**

```dart
Container margin() {
  return Container(
    margin: const EdgeInsets.only(
      top: 10,
      bottom: 10,
      left: 10,
    ),
    color: Colors.red,
  );
}
```

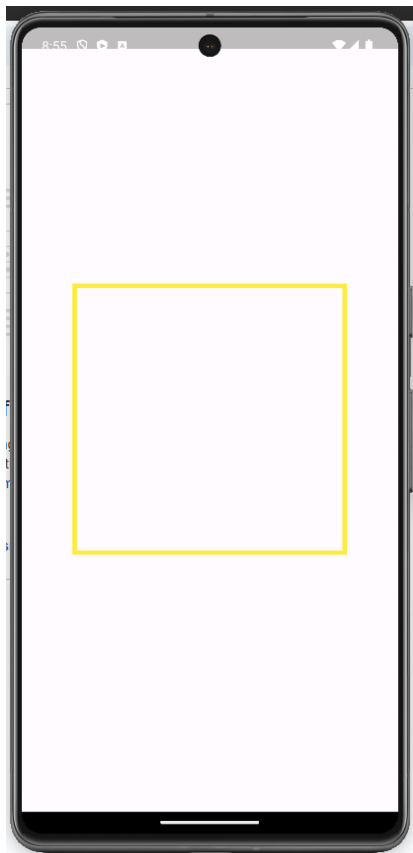**OUTPUT:**

## decoration:

### border:

```
Container decorationBorder() {
  return Container(
    height: 300,
    width: 300,
    decoration: BoxDecoration(
      border: Border.all(
        color: Colors.yellow,
        width: 5,
      ),
    ),
  );
}
```
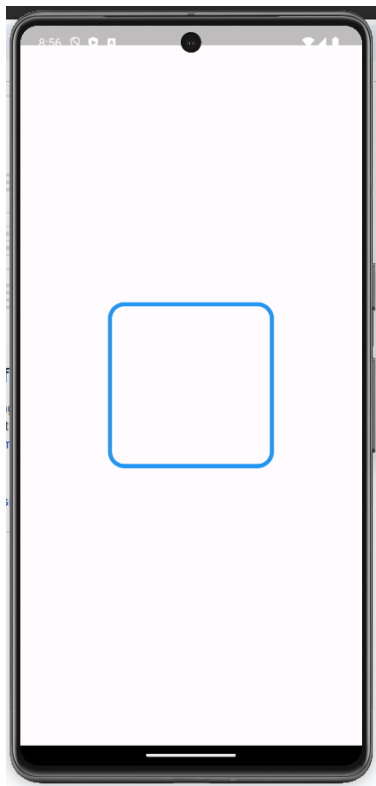
**OUTPUT:**

**borderRadius:**

```
Container decorationBorderRadius() {
  return Container(
    height: 200,
    width: 200,
    decoration: BoxDecoration(
      borderRadius: const BorderRadius.all(
        Radius.circular(20),
      ),
      border: Border.all(
        color: Colors.blue,
        width: 5,
      ),
    ),
  );
}
```
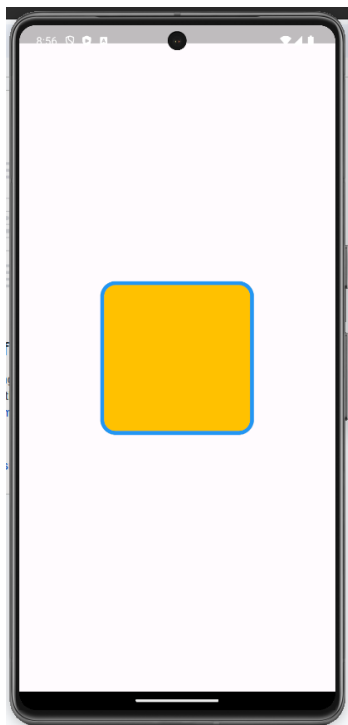
**OUTPUT:**

**color:**

```dart
Container decorationColor() {
  return Container(
    height: 200,
    width: 200,
    decoration: BoxDecoration(
      color: Colors.amber,
      borderRadius: const BorderRadius.all(
        Radius.circular(20),
      ),
      border: Border.all(
        color: Colors.blue,
        width: 5,
      ),
    ),
  );
}
```

**OUTPUT:**

**boxShadow:**

```dart
Container decorationBoxShadow() {
  return Container(
    height: 200,
    width: 200,
    decoration: BoxDecoration(
      color: Colors.amber,
      borderRadius: const BorderRadius.all(
        Radius.circular(20),
      ),
      border: Border.all(
        color: Colors.blue,
        width: 5,
      ),
      boxShadow: const [
        BoxShadow(
          color: Colors.purple,
          offset: Offset(30, 30),
          blurRadius: 8,
        ),
        BoxShadow(
          color: Colors.red,
          offset: Offset(20, 20),
          blurRadius: 8,
        ),
        BoxShadow(
          color: Colors.green,
          offset: Offset(10, 10),
          blurRadius: 8,
        ),
      ],
    ),
  );
}
```
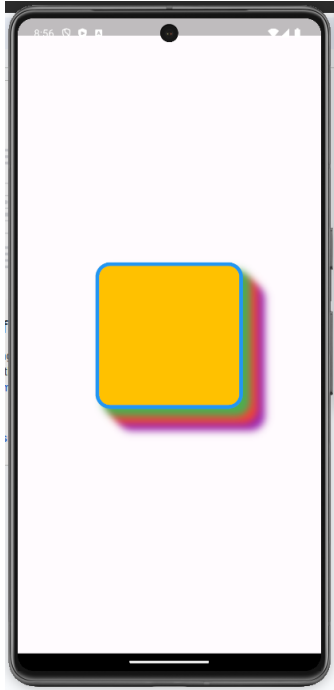
**OUTPUT:**



**gradient:**

```
Container decorationGradient() {
  return Container(
    height: 200,
    width: 200,
    decoration: BoxDecoration(
      color: Colors.amber,
      borderRadius: const BorderRadius.all(
        Radius.circular(20),
      ),
      border: Border.all(
        color: Colors.blue,
        width: 5,
      ),
      gradient: const LinearGradient(
        stops: [0.3, 0.5],
        colors: [Colors.red, Colors.green],
      ),
    ),
  );
}
```

**OUTPUT:**