

Lesson – 3

Level 1

```
setProperty(▼ "title", ▼ "font-family", ▼ "Lucida Console");  
setProperty(▼ "title", ▼ "background-color", ▼ "red");  
  
setProperty(▼ "description", ▼ "x", ▼ 10);  
setProperty(▼ "description", ▼ "y", ▼ 200);  
setProperty(▼ "logo", ▼ "icon-color", ▼ "#FF0000");  
setProperty(▼ "translate_button", ▼ "text", ▼ "Translate!");  
setProperty(▼ "translate_button", ▼ "font-size", ▼ 25);  
setProperty(▼ "translate_button", ▼ "width", ▼ 320);  
setProperty(▼ "translate_button", ▼ "height", ▼ 100);
```

Level 2

```
setProperty(▼ "title", ▼ "font-family", ▼ "Lucida Console");  
setProperty(▼ "title", ▼ "background-color", ▼ "cyan");  
setProperty(▼ "nameLabel", ▼ "text", ▼ "Hari priya");
```

Level 3

```
setProperty(▼ "greenButton", ▼ "x", ▼ 160);  
setProperty(▼ "greenButton", ▼ "y", ▼ 0);  
  
//3) Move "redButton" so it is in the upper-left corner  
setProperty(▼ "redButton", ▼ "x", ▼ 0);  
setProperty(▼ "redButton", ▼ "y", ▼ 0);
```

Level 4

```
onEvent(▼ "smiley", ▼ "click", function() {  
    //1) When you click the smiley, move it to the center of the screen  
    setProperty(▼ "smiley", ▼ "x", randomNumber(10, 250));  
    setProperty(▼ "smiley", ▼ "y", randomNumber(10, 350));  
});
```

Level 5

```
onEvent(▼"smiley", ▼"click", function() {  
  //1) When you click the smiley, move it to the center of the screen  
  setProperty(▼"smiley", ▼"x", randomNumber(10, 250));  
  setProperty(▼"smiley", ▼"y", randomNumber(10, 350));  
});
```

Level 6

```
onEvent(▼"smiley", ▼"click", function() {  
  //1) When you click the smiley, move it to the center of the screen  
  setProperty(▼"smiley", ▼"x", randomNumber(10, 250));  
  setProperty(▼"smiley", ▼"y", randomNumber(10, 350));  
});
```

Level 7(a)

```
onEvent(▼"redButton", ▼"click", function() {  
  //Change the background color of the screen to red  
  setProperty(▼"screen1", ▼"background-color", ▼"red");  
});  
  
onEvent(▼"greenButton", ▼"click", function() {  
  //Change the background color of the screen to green  
  setProperty(▼"screen1", ▼"background-color", ▼"green");  
});  
  
onEvent(▼"blueButton", ▼"click", function() {  
  //Change the background color of the screen to blue  
  setProperty(▼"screen1", ▼"background-color", ▼"blue");  
});  
  
onEvent(▼"whiteButton", ▼"click", function() {  
  //Change the background color of the screen to white  
  setProperty(▼"screen1", ▼"background-color", ▼"white");  
});
```

Level 7(b)

```
onEvent(▼ "upButton", ▼ "click", function(○) {  
    //Change the arrow icon to point up  
    setProperty(▼ "arrowImg", ▼ "image", ▼ "icon://fa-arrow-up");  
});  
  
onEvent(▼ "downButton", ▼ "click", function(○) {  
    //Change the arrow icon to point down  
    setProperty(▼ "arrowImg", ▼ "image", ▼ "icon://fa-arrow-down");  
});  
  
onEvent(▼ "leftButton", ▼ "click", function(○) {  
    //Change the arrow icon to point left  
    setProperty(▼ "arrowImg", ▼ "image", ▼ "icon://fa-arrow-left");  
});  
  
onEvent(▼ "rightButton", ▼ "click", function(○) {  
    //Change the arrow icon to point right  
    setProperty(▼ "arrowImg", ▼ "image", ▼ "icon://fa-arrow-right");  
});
```

Level 7(c)

```
setText(▼ "titleLabel", "The App Is Running!");  
setProperty(▼ "titleLabel", ▼ "text-color", ▼ "green");  
setProperty(▼ "screen1", ▼ "background-color", ▼ "yellow");  
setProperty(▼ "titleLabel", ▼ "border-width", ▼ 2);  
setProperty(▼ "titleLabel", ▼ "font-family", ▼ "Courier");  
setText(▼ "titleLabel", "font-size", 24);
```

Level 7 (d)

```
setProperty(▼"redButton", ▼"background-color", ▼"red");  
setProperty(▼"orangeButton", ▼"background-color", ▼"orange");  
setProperty(▼"yellowButton", ▼"background-color", ▼"yellow");  
setProperty(▼"greenButton", ▼"background-color", ▼"green");  
setProperty(▼"blueButton", ▼"background-color", ▼"blue");  
setProperty(▼"indigoButton", ▼"background-color", ▼"indigo");  
setProperty(▼"violetButton", ▼"background-color", ▼"violet");
```

Level 8

```
onEvent(▼"happyButton", ▼"click", function(○) {  
    setProperty(▼"faceImage", ▼"image", ▼"icon://fa-smile-o");  
    setText(▼"feelingLabel", "Happy");  
});  
  
onEvent(▼"sadButton", ▼"click", function(○) {  
    setProperty(▼"faceImage", ▼"image", ▼"icon://fa-frown-o");  
    setText(▼"feelingLabel", "Sad");  
});  
  
//3) Add an event for when the user clicks the `meh` button  
onEvent(▼"mehButton", ▼"click", function(○) {  
    setProperty(▼"faceImage", ▼"image", ▼"icon://fa-meh-o");  
    setText(▼"feelingLabel", "Meh");  
});
```

Activate Windows

Level 9(a)

```
hideElement(▼"stopAlarmButton");  
//This code triggers the alarm  
onEvent(▼"triggerAlarmButton", ▼"click", function() {  
    setText(▼"statusLabel", "ON");  
    showElement(▼"stopAlarmButton");  
    hideElement(▼"triggerAlarmButton");  
});
```


Level 9(c)

```
onEvent(▼ "exampleButton", ▼ "click", function() {
    setProperty(▼ "screen1", ▼ "background-color", ▼ "orange");
    setProperty(▼ "label", ▼ "background-color", ▼ "blue");
    setProperty(▼ "label", ▼ "font-family", ▼ "Comic");
    setProperty(▼ "label", ▼ "border-width", ▼ 3);
    setProperty(▼ "label", ▼ "border-color", ▼ "red");
    setProperty(▼ "label", ▼ "text-color", ▼ "white");
    setProperty(▼ "label", ▼ "text-align", ▼ "center");
    setProperty(▼ "button", ▼ "background-color", ▼ "red");
    setProperty(▼ "button", ▼ "font-family", ▼ "Comic");
    setProperty(▼ "button", ▼ "border-width", ▼ 3);
    setProperty(▼ "button", ▼ "border-color", ▼ "blue");
});

onEvent(▼ "myTheme", ▼ "click", function() {
    setProperty(▼ "screen1", ▼ "background-color", ▼ "green");
    setProperty(▼ "label", ▼ "text", ▼ "hello santhosh");
    setProperty(▼ "label", ▼ "font-size", ▼ 18);
    setProperty(▼ "button", ▼ "text", ▼ "click");
});
```

Level 9(d)

```
onEvent(▼ "foodButton", ▼ "click", function() {
    setText(▼ "textLabel", "My favorite food is bibimbap");
    playSpeech("My favorite food is bibimbap", ▼ "female", ▼ "English");
});

onEvent(▼ "colorButton", ▼ "click", function() {
    setText(▼ "textLabel", "my favorite color is pink");
    playSpeech("my favorite color is pink", ▼ "female", ▼ "English");
});

onEvent(▼ "foodButton", ▼ "click", function() {
    setText(▼ "textLabel", "My favorite food is bibimbap");
    playSpeech("My favorite food is bibimbap", ▼ "female", ▼ "English");
});

onEvent(▼ "colorButton", ▼ "click", function() {
    setText(▼ "textLabel", "my favorite color is pink");
    playSpeech("my favorite color is pink", ▼ "female", ▼ "English");
});
```

