

# A5 Conversions

Set up these screens in design mode:

The image shows four mobile application screens arranged horizontally. Each screen has a title at the top and a central text area with buttons below it. A 'Back' button is located at the bottom right of each screen.

- Conversions**: Click the button to move to the conversion screen you wish.
  - Temperature
  - Digital Storage
  - Distance
- Temperature**: Click on the button to enter the degrees in Celsius.
  - Enter Celsius
  - 10 degrees Celsius
  - 50 degrees Fahrenheit
  - 283.15 degrees Kelvin
- Digital Storage**: Click on the button to enter the number of TB.
  - Enter TB
  - 1 GB
  - 0.001 TB
  - 1000 MB
- Distance**: Click on the button to enter the number of metres.
  - Enter Metres
  - 1 m
  - 100 cm
  - 3.28084 feet
  - 1.09361 yard
  - 39.3701 inch

Navigation:

- On the main screen (called Conversions), make the three buttons link up to the other screens.
- On the other three screens, make the back buttons lead back to the main screen.
- Run your program to make sure that the navigation buttons all work.

These are the blocks that set up the distance screen:

```
onEvent("meters", "click", function(event) {
    var m = promptNum("How many metres? ");
    var numCM = m * 100;
    var numFeet = m * 3.28084;
    var numYard = m * 1.09361;
    var numInch = m * 39.3701;
    setText("numMeter", m + " m");
    setText("cm", numCM + " cm");
    setText("feet", numFeet + " feet");
    setText("yard", numYard + " yard");
    setText("inch", numInch + " inch");
})
```

The conversions for digital storage are:

- 1 GB = 0.001 TB
- 1 GB = 1000 MB

Use these to build the buttons.

Temperature conversions will use these formulas:

- $F = 1.8 * C + 32$
- $K = C + 273.15$

Build the other two screens.