# Code Challenge Worksheet

## Challenge 1

Using the code from the previous challenge you should add your own custom graphic which should be displayed after each of the following messages:

* It’s cold
* It’s hot
* Just right

## Challenge 2

Install the software library so that you can create code for the enviro:bit.

## Challenge 3

You should add your own program which is executed when Button B is pressed. Your program should take a reading using the humidity sensor.

## Challenge 4

Using the pressure reading an appropriate message should be displayed on the screen which tells the user what the humidity reading means. You can either use your own customer message or the suggestions below:

* + 40 – Perfect Summer Day
  + 50 – Comfortable
  + 60 – A little uncomfortable
  + 65 – Uncomfortable
  + 75 – Very uncomfortable

## Challenge 5

Create your own test plan to check that your code for Challenge 4 works as expected.

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| --- | --- | --- | --- | --- |
| Purpose of Test | Input | Expected Output | Result | Pass or Fail? |
|  |  |  |  |  |
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