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|  | *Internet of Things Lab for Air quality Monitoring (IoT4AQ)*  *International Workshop – Air Quality & IoT-based Air Sensors*  *14-15 March 2024, Alioune Diop University, Senegal* |

IoT4AQ workshop exercises

## Exercises on the SD card

**Exercise 1:**

Provide a program that writes the following text to the file *meas.txt* on the SD card  
Welcome the the IoT4AQ workshop  
It is held at the Alioune Diop University Bambey (UADB),   
Sénégal, March 2024

Refuse to write to *meas.txt* if it exists already

**Exercise 2:**

Write a program reading the file *meas.txt* and printing its contents

**Exercise 3:**

Write a program deleting the file again

**Exercise 4:**

Read temperature and humidity from the DHT11 and save the values to the file *meas.txt*If the file exists already then open it in *append* mode.

## Too easy?

**Exercise 5:**

Write a program that shows the file system tree

**Exercise 6:**

Provide a program that prints all relevant information on the SD card

