

Qiskit Fall Fest 2023

Welcome again to the Qiskit Fall Fest! To properly run these challenge notebooks, please make sure you're following the instructions below:

USING IBM QUANTUM LAB

You're ready to begin! Watch the video file for instructions on how to upload the notebooks and also get your images working properly.

RUNNING LOCALLY

Prerequisites:

You should have a Python 3.10 or greater virtual environment

Install:

You need to install our grader client, Qiskit, and Jupyter Lab to successfully run the notebooks.

From a terminal window in your Python virtual environment, run one of these commands:

If you need to install the grader client, Qiskit, and Jupyter Lab run:

```
pip install 'qc-grader[qiskit,jupyter] @  
git+https://github.com/qiskit-community/Quantum-Challenge-Grader.git'
```

If you already have Jupyter Lab in your Python virtual environment and only need to install the grader client and Qiskit then run:

```
pip install 'qc-grader[qiskit] @  
git+https://github.com/qiskit-community/Quantum-Challenge-Grader.git'
```

If you already have Jupyter Lab and Qiskit (version 0.44.0 or greater) installed in your Python virtual environment and only need to install the grader client then run:

```
pip install 'git+https://github.com/qiskit-community/Quantum-Challenge-Grader.git'
```

Run:

From a terminal window in your Python virtual environment

Change to the directory where all the Qiskit Fall Fest Challenges notebooks reside. For example:

```
cd ~/Qiskit-Fall-Fest-Challenges-Notebooks
```

Launch Jupyter Lab:

```
jupyter lab .
```

This should launch your Jupyter Lab instance in a new browser window showing the Qiskit Fall Fest Challenges notebooks.