

If you are getting the error `NameError: name 'execute' is not defined`

Change the lines :

```
#execute the circuit using the backend  
out = execute(qc,backend).result().get_statevector()
```

To these:

```
#execute the circuit using the backend  
compiled_circuit = transpile(qc,backend)  
out = backend.run(compiled_circuit).result().get_statevector()
```