1) Demonstrate Deutsch algorithm for oracular function $f(0)=1$ & $f(1)=0$.

2) Demonstrate Quantum teleportation of the $|\psi\rangle = \frac{1}{\sqrt{3}}|0\rangle + \sqrt{\frac{2}{3}}|1\rangle$ from Alice to Bob.

3) Demonstrate Grover's algorithm for $W=01$ as the two bit special string. Create the entire circuit and showcase how the circuit reveals the secret string hidden in the oracle.