3a) For public keys $X = g^x \; and \; Y = g^y$, make a call to O_D under XY which would return m. Given $(c_0, c_1) = (g^r, m(g^{xy})^r)$, we can calculate g^{xy} by taking $\frac{c_1}{c_0 * m}$.

3b) Input the values $X = Z = g^z, Y = c_0 = g'$ into O_{DH}. By querying this oracle, we obtain g^{zr}. Since $c_1 = m(g^z)^r$, we can compute $\frac{m(g)^{zr}}{g^{zr}}$ to obtain m.