MTH 210: Lab 8

Use **nloptr** function from library('nloptr') to solve the following optimization problems. Supply "algorithm"= "NLOPT_GN_ISRES" while using **nloptr**.

P 1. $\min f(x, y) = x^2 + y^2 + 2xy$ given that $x, y \in [0, 1]$.
P 2. $\min f(x, y) = x^2 + y^2 - 2xy$ given that $x, y \in [0, 1]$ and $x + y = 1$.