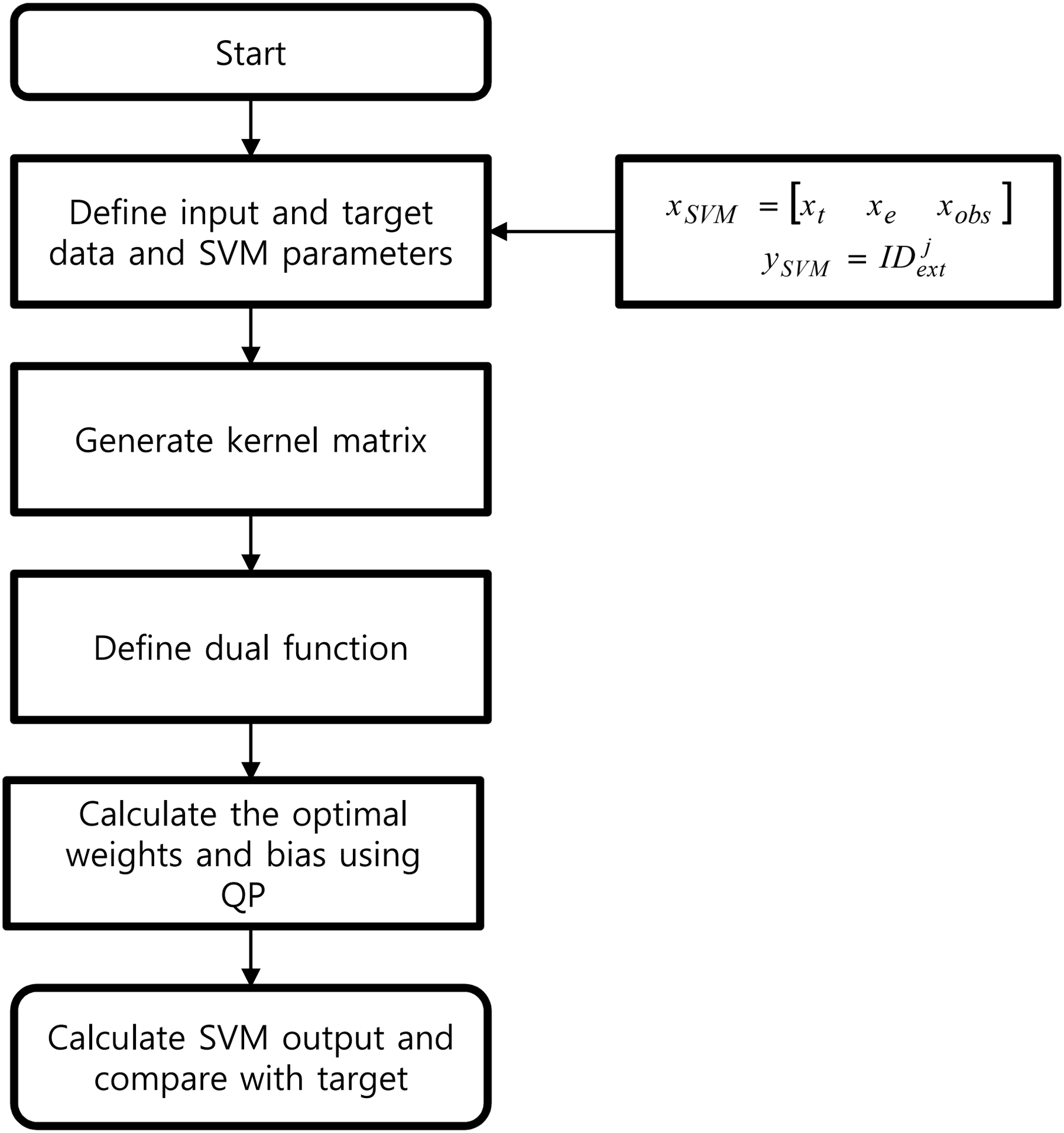
Start
Define input and target data and SVM parameters
$x_{SVM} = [x_t \quad x_e \quad x_{obs}]$
$y_{SVM} = ID_{ext}^{j}$
Generate kernel matrix
Define dual function
Calculate the optimal weights and bias using QP
Calculate SVM output and compare with target