

# Assignment 4: Mini Face Recognition System

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**Q2: Reconstruction and Eigenfaces**

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## 1. Plots

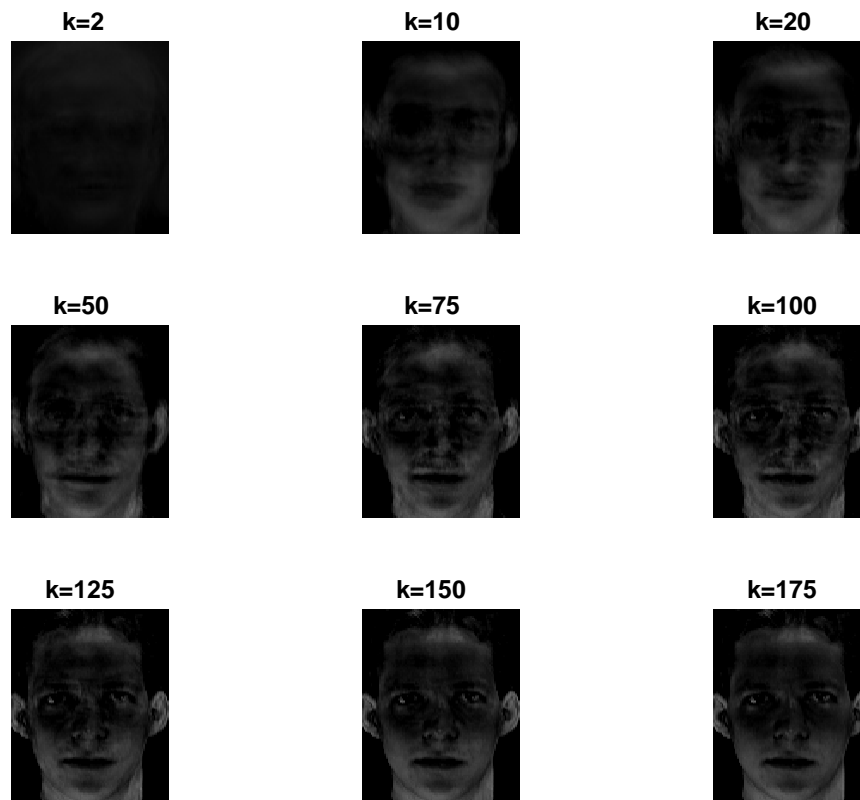


Fig 1: Face Reconstruction of the first person in the ORL database using increasing values of  $k$



Fig 2: Eigenfaces corresponding to the 25 largest eigenvalues