**Assignment 1.1 a)**

def identityMat(dim):

id\_mat=()

for i in range(0, dim):

id\_mat += ((0,)\*i+(1,)+(0,)\*(dim-i-1),)

for i in range(0, dim):

print id\_mat[i]

return id\_mat

*Ausgabe:*

(1, 0, 0)

(0, 1, 0)

(0, 0, 1)

((1, 0, 0), (0, 1, 0), (0, 0, 1))