PROBLEM 4: EXAMPLE

We WIR OSSUME The olderset for the examples for the problem 1 and 2 (rage 1,2). Let

We executived the gradient to a single totaining example

$$\nabla E = [-(y - \hat{y}) - (y - \hat{y})x_1 - (y - \hat{y})x_2 - (y - \hat{y})x_3]^T$$

We Pan Write a fonction as

def CompGrad (x1, x2, x3, w0, w1, w2);

$$UD = UD + W1 \times 1 + W1 \times 2 + W3 \times 3$$
.
 $DdW_0 = -(U - U - U) \times 1$
 $DdW_1 = -(U - U) \times 2$
 $DdW_1 = -(U - U) \times 2$
 $DdW_2 = -(U - U) \times 2$
 $DdW_3 = -(U$

$$2k_1=1$$

$$2k_2=2$$

$$2k_3=1$$

$$2k_3=2$$

$$2$$