9.

**int** MaxAbsDiff(**int** arr[], **int** n)

{    **int** minEle = arr[0];

**int** maxEle = arr[0];

**for** (**int** i = 1; i < n; i++) {

        minEle = min(minEle, arr[i]);

        maxEle = max(maxEle, arr[i]);

    }

**return** (maxEle - minEle);

}

A screenshot of a computer

Description automatically generated