```
RankIOCs( RansomeWareNames[0,..,n-1], IOCs[0,..m-1],
weights[0,..,m-1], IOC_Occurrences[0,..,n-1][0,..,m-1]):
//Input:
// 1. Array of n ransomwares
// 2. Array of m IOCs
// 3. Array of weights of each IOC
// 4. 2D array where each row gives the occurrence of an
//IOCs in the given ransomwares
//Output:
// All m IOCs ranked (out of 100%)
sum=0
Scores=[]
for i -> 0 to m-1:
    for j -> 0 to n-1:
        sum <- sum + IOC_Occurrence[i][j]*weights[i]
    end of for loop
    //Done calculating score of an IOC
    Scores.append(sum)
    sum=0
end of for loop
percentages=[]
//Converting scores into values out of 100 by using Sigmoid
function
```

```
for i -> 0 to m-1:
        percentage <- 1/(1+e^(-Scores[i]))*100
        percentages.append*(percentage)
indexes = [0,..,m-1]
Sort(Scores[0,..,m-1],indexes[0,..,m-1]) //Use any sorting algorithm to sort the scores
//Above function also modifies the indexes array for
//reference about which IOC was sorted to which position
for i ->0 to m-1:
        "print IOCs[indexes[i]], percentages[indexes[i]]"
```