Question 3

(a)

```
maxSumTabulate(A):
n = A.length
T is a table/array of length n
max = T[0]
for(k = 1; k < n; k++):
    T[k] = max(T[k - 1] + A[k], A[k])
    if(T[k] > max):
        max = T[k]
return max
```

(b)

There is one loop that iterates over all n entries, and the cost within the loop is fixed. So, the cost is $\Theta(n)$.