**DataStructure Introduction assignments**

Mandatory

1. Refer the code below and estimate the time complexity.

a.

for(i= n ; i > 0; i++){

for(j = 0; j<n;j\*2){

cout<<i;

}

}

**O(n \* log n)**

b.

for(i= n ; i > 0; i++){

//some operation here

}

//m > n

for(j = 0; j<m;j++){

//some operation here

}

**O(n + m)**, **which can be simplified to O(m) when m > n.**