SHUBHAM GUPTA
180749
Theo Ass 1

2) pseudocode

```
qq(x) {
    t = head
    while(x) {
        t = t → right
        x = x - 1
    }
    return t
}
rot(p, q, k) {
    A = qq(p)
    B = qq(q-k)
    C = qq(q-k+1)
    D = qq(q)
    E = qq(p-1)
    F = qq(q+1)
    tA = E → right
    tB = C → left
    tC = B → right
    tD = F → left
    tE = A → left
    tF = D → right
    E → right = tC
    C → left = tB.
    D → right = tF
    A → left = tE
    B → right = tD.
    F → left = tA
}
```

algorithm : we first find 6 locations $p, p-1, q, q+1, q-k, q-k+1$ coz while rotating only these node addresses will change later we define some temporary variables & ~~[illegible]~~ signify values to these 6 locations in order to rotate right. $