

Question 5: Pseudocode

1. Start

2. $\text{int (num of 0s, num of 1s, num of 2s, num of 3s, num of 4s, num of 5s, num of 6s, num of 7s, num of 8s, num of 9s)} = 0;$

3. Input (num)

4. While ($\text{num} \geq 0$ & $\text{num} \leq 9$)

Switch (num)

case 0:

num of 0s ++;

case 1:

num of 1s ++;

case 2:

num of 2s ++;

case 3:

num of 3s ++;

case 4:

num of 4s ++;

case 5:

num of 5s ++;

case 6:

num of 6s ++;

case 7:

num of 7s ++;

case 8:

num of 8s ++;

case 9:

num of 9s ++j

Input "num"

Repeat until num < 0 or num > 9

Print "num of 0s,

num of 1s,

num of 2s,

num of 3s,

num of 4s,

num of 5s,

num of 6s,

num of 7s,

num of 8s,

num of 9s;"