**Assignment 1**

Show the pseudocode and flowchart on how to change a value from decimal system to another number system.

Pseudocode

Let **n** be the decimal number, **m** be a *stack* (initially empty) and b be the base of the number system we are converting to.

* START
* Prompt user for INPUT **n** and **b**.
* Until **n** becomes 0, LOOP:
  + **r = n%b** (remainder) is PUSHED onto **m**.
  + **n = n/b** (quotient)
* The elements of **m** are POPPED and PRINTED until **m** is empty.
* END

Flowchart:

