**Tutorial 5: Repetition**

1. Flowchart:

i = 1

i < 11

display i + ‘ ’

No

Yes

i = i + 1

Pseudocode:

Start:

for (i=1; i < 11; i++){

display i + “ ”

}

Stop

**OR**

Start:

i = 1

dowhile (i< 11)

display i + ‘ ’

i++

ENDDO

Stop

2. Flowchart

prompt user for carValue and get caValues

years = 1

year < 11

carValue = carValue – (carValue \* 0.05)

Yes

display carValue

No

Pseudocode:

Start:

prompt user for carValue and get carValue

for (years = 1; years < 11; years++){

carValue = carValue – (carValue \* 0.05)

}

display carValue

Stop

3. Flowchart:

10. Flowchart:

get playing = true

playing == true

Pseudocode:

Start:

playing=true

while (playing){

display “Iam thinking of a number”

display “Try to guess: ”

prompt user for guess and get guess

if (guess < 100){

display “Too low! Try again: ”

prompt user for guess and get guess

}

elif (guess > 100){

display “Too high! Try again: “

prompt user for guess and get guess

}

elif (guess ==100){

display “That’s it! Would you like to play again? (yes/no) ”

prompt user for choice and get choice

if (choice == yes){

continue

}

else{

display “Thanks for playing”

playing=false

}

}

}

Stop