Begin

//pattern a

FOR i = 0 to 9

Counter = 0

WHILE counter <= i

Print “\*”

Counter = counter + 1

ENDWHILE

PRINT newline

ENDFOR

PRINT newline

//Pattern b

FOR i = 9 to 0

counter = 0

WHILE counter <= i

PRINT “\*”

counter = counter + 1

ENDWHILE

PRINT newline

ENDFOR

PRINT newline

//Pattern c

FOR I = 9 to 0

sCounter = 0

counter = 0

WHILE sCounter < 9 – i

PRINT “ “

sCounter = sCounter + 1

ENDWHILE

WHILE counter <= i

PRINT “\*”

counter = counter + 1

ENDWHILE

PRINT newline

ENDFOR

PRINT newline

//Pattern d

FOR i = 0 to 9

sCounter = 0

counter= 0

WHILE sCounter < 9 – i

PRINT “ “

sCounter = sCounter + 1

ENDWHILE

WHILE counter <= i

PRINT “\*”

counter = counter + 1

ENDWHILE

PRINT newline

ENDFOR

END