Start

1. Initialize ‘i’ with H

1.1 check if ‘i’ less than or equal to 10

If ‘i’ is equal to one o0r ‘i’ is equal to two or ‘i’ equal to three

Assign k is equal to one

Print ‘\*’ as long as ‘k’ is less than or equal to 8

Update ‘k’ (increase by one)  
check if ‘k’ is less than or equal to 8

If false otherwise

2) Initialize ‘j’ is equal to one

2.1) Check if ‘j’ is less than or equal to 10 minus ‘i’ plus one

Print ‘\*’ and space

Then if ‘i’ is equal to 2

Print space

3.1) initialize i is equal to and check if ‘i’ is less than or equal to 2 multiplied by i-2

Print space

Assign the value of n to variable ‘b’

Update n(increase by one)

If condition 3.1 is false go to condition 4

4) initialize ‘m’ with one

Check if ‘m’ is less than or equal to 11 minus ‘i’

Print ‘8’ and space

Update m (increase by one)

go to condition 4.1 if its false start with ew line

// for the lower part

1. Initialize ‘z’ with one
2. Check if ‘z’ is less than or equal to 10

If ‘z’ is equal to 8 or ‘z’ is equal to 9

Initialize a variable ‘a’ with 1

Then print ‘\*’ and space as long as ‘a’ is less than or equal to 8

Update a and if false

Move to next statement

3) initialize x with one and check if x is less than z plus one

Print ‘\*’ and space

Update x

If false go to next

Initialize c with 2 multiplied by 9 minus (z+1)

Check if c >= 1

Update c(decrease by one)

Print space

If zis less than or equal to 8

Print space

Initialize d= 1

Check if d is <= z plus one

Print ‘\*’ and space

Update d(increase by 1)

If false

Update z (increase by 1)

If false print new line

End the program