Q.1. Logic for a program that prints every number from 10 through 15.

IPO

Input	Processing	Output
Counter	Increment numbers by 2	Print 10 to 15

Pseudocode

1	Start
2	counter= 10
3	While counter <= 15
4	Print counter
5	Counter =counter+2
	Endwhile
6	End

Desk Checking

Step	Counter	Print
2	10	
3	True	
4		10
5	12	
3	True	
4		12
5	14	
3	True	
4		14
5	16	
3	False	
4		End

Q.2. Logic for a program that prints every number from 10 through 1.

IPO

Input	Processing	Output
Counter	Decrement numbers by 1	Print 10 to 1

Pseudocode

1	Start
2	counter= 10
3	While counter >= 1
4	Print counter
5	Counter =counter−1
	Endwhile
6	End

Desk Checking

Step	Counter	Print
2	10	
3	True	
4		10
5	9	
3	true	
4		9
5	8	
3	true	
4		8
5	7	
3	true	
4		7…
Continued to 1		
5	1	
3	true	
4		1
5	0	
3	False	
4		End