Here is a possible correct output for the producer-consumer problem. The exact details will vary.

(The output looks MUCH better when viewed in a fixed-width font.)

The Producers and consumers may run in slightly different orders. Read down each column and check that A runs 5 times, B runs 5 times, C runs 5 times, etc. Also, the order that characters are added should be the same as they are consumed. To see the order they are added, read down through the producer threads. In this example, the sequence is

A A A B B A B D C A...

(These are on the left of the vertical bars.) Then read down the right side, to make sure the consumers are taking the characters in the same sequence:

A A A B B A B D C A...

Also, the buffer is shown on the far left. It should grow and shrink, but should never jump by more than one character per line.

======		KPL PROC	GRAM	STA	RTING	i ==				==
-	e Thread-based	-								
	lizing Thread									
Initia	lizing Idle Pr	ocess								
	Producer-A	Α								
Α	Producer-A	Α								
AA	Consumer-2						I		Α	
Α	Producer-A	Α								
AA	Producer-B		В							
AAB	Producer-B		В							
AABB	Consumer-1						I	Α		
ABB	Consumer-1						I	Α		
BB	Consumer-3						I			В
В	Producer-A	Α								
BA	Consumer-2						I		В	
Α	Consumer-3						I			Α
	Producer-B		В							
В	Producer-D				D					
BD	Producer-C			C						
BDC	Producer-A	Α								
BDCA	Consumer-3						I			В
DCA	Consumer-1						I	D		
CA	Consumer-1						I	C		
Α	Producer-E					Ε				
ΑE	Producer-C			C						
AEC	Consumer-2						I		Α	
EC	Producer-E					Ε				
ECE	Producer-B		В							
ECEB	Consumer-1						I	Ε		
CEB	Producer-C			C						
CEBC	Consumer-3						I			C
EBC	Consumer-1						I	Ε		
BC	Producer-D				D					
BCD	Consumer-2						I		В	
CD	Consumer-3						I			C

D	Consumer-1					I	D		
	Producer-E				E				
E	Producer-E				E				
EE	Producer-C		C						
EEC	Producer-D			D					
EECD	Producer-B	В							
EECDB	Consumer-2					I		Ε	
ECDB	Consumer-2					I		Ε	
CDB	Consumer-2					I		C	
DB	Producer-E				E				
DBE	Consumer-2					I		D	
BE	Producer-C		C						
BEC	Consumer-1					I	В		
EC	Producer-D			D					
ECD	Producer-D			D					
ECDD	Consumer-3					I			Ε
CDD	Consumer-3					I			C
DD	Consumer-3					1			D
D	Consumer-2					I		D	

**** A 'wait' instruction was executed and no more interrupts are scheduled... halting emulation *****