

Class Task - 4.1:

C	F1()	F2(c)	F3(a)	Output
99	None	8	8	Starting.....3
		None	25	Starting...2
				Starting...1
				F1 begun
				F2 begun
				F3 begun
				104
				F3 ending
				55
				F2 ended
				F1 ended
				None
				All done

Class Task-4.2:

Method call	N	return value	Output
factorial(5)	→ 5	→ 1	→ 120
5 * factorial(5-1)	→ 4	2 * 1 = 2	
4 * factorial(4-1)	→ 3	3 * 2 = 6	
3 * factorial(3-1)	→ 2	4 * 6 = 24	
2 * factorial(2-1)	→ 1	5 * 24 = 120	

Home Task-5.2

Method call	N	return value	Output
sequence_recursive(6)	6	$1 - 2 = -1$	- 3
sequence_recursive(6-1)-6	5	$-1 + 3 = 2$	
sequence_recursive(5-1)+5	4	$2 - 4 = -2$	
sequence_recursive(4-1)-4	3	$-2 + 5 = 3$	
sequence_recursive(3-1)+3	2	$3 - 6 = -3$	
sequence_recursive(2-1)-2	1		