

NUS SCHOOL OF COMPUTING
FINAL ASSESSMENT ANSWER SHEET
CS1010 Programming Methodology

Semester 1 2022/23

Time Allowed 2 Hours

1. 2. 3. 4. 5. 6.
7. 8. 9. 10. 11. 12.

STUDENT NUMBER									
A									
U	<input type="radio"/>	0	0	0	0	0	0	0	A N
A	<input checked="" type="radio"/>	1	1	1	1	1	1	1	B R
HT	<input type="radio"/>	2	2	2	2	2	2	2	E U
NT	<input type="radio"/>	3	3	3	3	3	3	3	H W
		4	4	4	4	4	4	4	J X
		5	5	5	5	5	5	5	L Y
		6	6	6	6	6	6	6	M
		7	7	7	7	7	7	7	
		8	8	8	8	8	8	8	
		9	9	9	9	9	9	9	

DO NOT WRITE
IN THIS MARGIN

13. Loops.

	Expression	Range of n and k where the code applies.
(a)		
(b)		
(c)		
(d)		

14. (a)

(b)

i	Content of a (in order)
0	5 1 2

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(c)

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15. Recursion.

(a) condition1 is

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condition2 is

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(b) recursive case is

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(c) Recurrence relation is

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(d) Running time is

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16. Call Stack.

END OF ANSWER SHEET