

## Question 1

List the tokens that would be identified under the **Weighted Composite Complexity (WCC)** measure. Use a comma to separate the tokens.

Line No	Program Statements	Tokens
1	public class MyList extends Greeting{	
2	private Node start;	Node, start
3	public void sayGreeting(){	void, sayGreeting()
4	System.out.println("Welcome to SLL");	System, ., out, ., println(), "Welcome to SLL"
5	}	
6	public void add(Integer i) {	void, add(), integer, i
7	Node node = new Node(i);	Node, node, =, new, Node(), i
8	if(start == null)	if(), start, ==, null
9	start = node;	start, =, node
10	else {	
11	Node temp = start;	Node, temp, =, start
12	while(temp.next != null){	while(),

2	private Node start;	Node, start
3	public void sayGreeting(){	void, sayGreeting()
4	System.out.println("Welcome to SLL");	System, ., out, ., println(), "Welcome to SLL"
5	}	
6	public void add(Integer i) {	void, add(), integer, i
7	Node node = new Node(i);	Node, node, =, new, Node(), i
8	if(start == null)	if(), start, ==, null
9	start = node;	start, =, node
10	else {	
11	Node temp = start;	Node, temp, =, start
12	while(temp.next != null){	while(), temp, ., next, !=, null
13	temp = temp.next;	temp, =, temp, next
14	}	
15	temp.next = node;	temp, ., next, =, node
16	}	
17	}	
18	public static String getCode(String s) {	String, getCode(), String, s
19	char[] x = s.toUpperCase().toCharArray();	
20	char firstLetter = x[0];	
21	//Convert letters to numeric code	
22	for (int i = 0; i <= x.length; i++) {	
23	switch (x[i]) {	

17	)	
18	public static String getGode(String s) {	String.getGode(),string,s
19	char[] x = s.toUpperCase().toCharArray();	char[],x=,s,...toUpperCase(),...toCharArray()
20	char firstLetter = x[0];	char.firstLetter.=,x[],0
21	//Convert letters to numeric code	
22	for (int i = 0; i <= x.length; i++) {	for(),int,i=,0,i,<=,x,...length,i,++
23	switch (x[i]) {	switch(),x[],i
24	case 'B':	case,'B':,
25	case 'V':	case,'V':,
26	x[i] = '1';	x[],i.=,'1'
27	default: {	default:,
28	x[i] = '0';	x[],i.=,'0'
29	}	I
30	}	
31	}	
32	}	

## Question 2

Question 2  
Not yet answered  
Marked out of 12.00  
Flag question

ii. Calculate the values of the  $S$ ,  $W_n$ ,  $W_l$ ,  $W_e$ ,  $W_t$ ,  $WC$  and  $WCC$  attributes.

Line No	Program Statement	$S$	$W_n$	$W_l$	$W_e$	$W_t$	$WC$
1	public class MyList extends Greeting{						
2	private Node start;	2	0	2	0	2	4
3	public void sayGreeting(){	2	0	2	0	2	4
4	System.out.println("Welcome to SLL");	6	0	2	0	2	12
5	}						
6	public void add(Integer i) {	4	0	2	0	2	8
7	Node node = new Node(i);	6	0	2	0	2	12
8	if(start == null)	4	1	2	1	4	16
9	start = node;	3	1	2	0	3	9
10	else {						
11	Node temp = start;	4	1	2	0	3	12
12	while(temp.next != null){	6	2	2	2	6	36
13	temp = temp.next;	5	2	2	0	4	20
14	}						
15	temp.next = node;	5	0	2	0	2	10
16	}						
17	}						
18	public static String getNode(String s) {	4	0	2	0	2	8

Moodle

17	}						
18	public static String getNode(String s) {	4	0	2	0	2	8
19	char[] x = s.toUpperCase().toCharArray();	8	0	2	0	2	16
20	char firstLetter = x[0];	5	0	2	0	2	10
21	//Convert letters to numeric code						
22	for (int i = 0; i <= x.length; i++) {	12	1	2	2	5	60
23	switch (x[i]) {	3	2	2	3	7	21
24	case 'B':	2	2	2	0	4	8
25	case 'V':	2	2	2	0	4	8
26	x[i] = '1';	4	2	2	0	4	16
27	default: {	1	2	2	0	4	4
28	x[i] = '0';	4	2	2	0	4	16
29	}						
30	}						
31	}						
32	}						
33	}						

WCC 310

## Question 3,4,5

**Question 3**  
Not yet answered  
Marked out of 2.00  
Flag question

Refer the following business requirement and answer the questions given below:

An automated patient registration system is used in a hospital to organise details of all admitted patients. This automated system categorises and label the admitted patients according to their age as follows:

- If the age is less than or equal to 16, then the patient is categorised and labelled as a child.
- If the age is greater than 16 and less than or equal to 23, then the patient is categorised and labelled as a young adult.
- If the age is greater than 23 and less than or equal to 60, then the patient is categorised and labelled as an adult.
- If the age is greater than 60, then the patient is categorised and labelled as elderly.

If the **equivalence partitioning** test design technique is used, how many partitions would be required to cover all possible cases?

Answer: 4

**Question 4**  
Not yet answered  
Marked out of 4.00  
Flag question

Mention the input values required to cover each partition identified for **Question 3**.

partition 1 :10  
partition 2 :17  
partition 3 :40  
partition 4 :70

**Question 5**  
Not yet answered  
Marked out of 6.00  
Flag question

Mention all the input values required for the **boundary value analysis** test design technique.

15,16,17  
22,23,24  
59,60,61

**Question 3**  
Not yet answered  
Marked out of 2.00  
Flag question

Refer the following business requirement and answer the questions given below:

An automated patient registration system is used in a hospital to organise details of all admitted patients. This automated system categorises and label the admitted patients according to their age as follows:

- If the age is less than or equal to 16, then the patient is categorised and labelled as a child.
- If the age is greater than 16 and less than or equal to 23, then the patient is categorised and labelled as a young adult.
- If the age is greater than 23 and less than or equal to 60, then the patient is categorised and labelled as an adult.
- If the age is greater than 60, then the patient is categorised and labelled as elderly.

If the **equivalence partitioning** test design technique is used, how many partitions would be required to cover all possible cases?

Answer: 4

**Question 4**  
Not yet answered  
Marked out of 4.00  
Flag question

Mention the input values required to cover each partition identified for **Question 3**.

10, 20, 40, 80

**Question 5**  
Not yet answered  
Marked out of 6.00  
Flag question

Mention all the input values required for the **boundary value analysis** test design technique.

15, 16, 17, 22, 23, 24, 59, 60, 61

**Quiz navigation**

COVER PAGE  
1

QUESTION 01  
1 2

QUESTION 02  
3 4 5 6

QUESTION 03  
7 8 9 10 11

QUESTION 04  
15 16

FEEDBACK ON THE QUIZ  
17

Finish attempt ...  
Time left 1:24:43

Question 9,10,11,12

