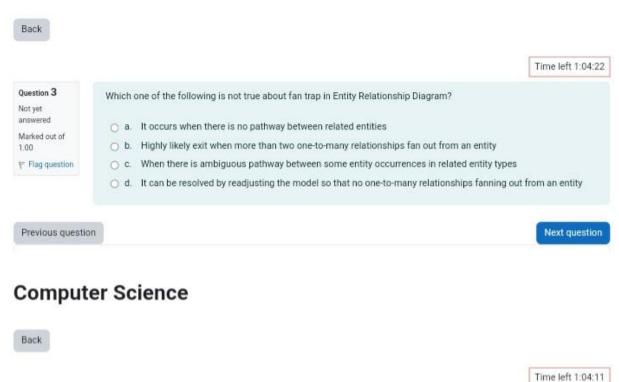
Back Time left 1:04:49 Question 1 Which one of the following is asynchronous in message communication? Not yet answered o a. Direct message Marked out of O b. Non-block receive 1.00 o c. Blocking send F Flag question od. Blocking receive Next question **Computer Science** Back Time left 1:04:34 Question 2 What is the time complexity order of binary searching algorithm? Not yet answered o a. O(n) Marked out of  $\bigcirc$  b.  $O\left(\log_2 n\right)$ F Flag question O c. O (n3) O d. O(1) Next question Previous question



## Question 4

Not yet answered

Marked out of 1.00

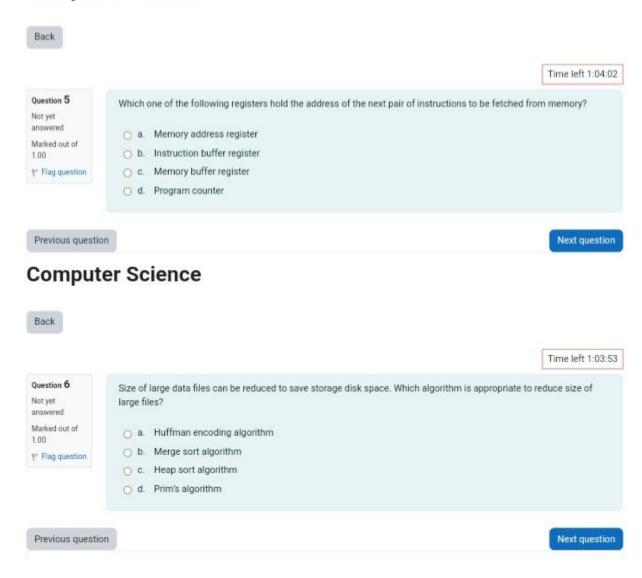
Flag question

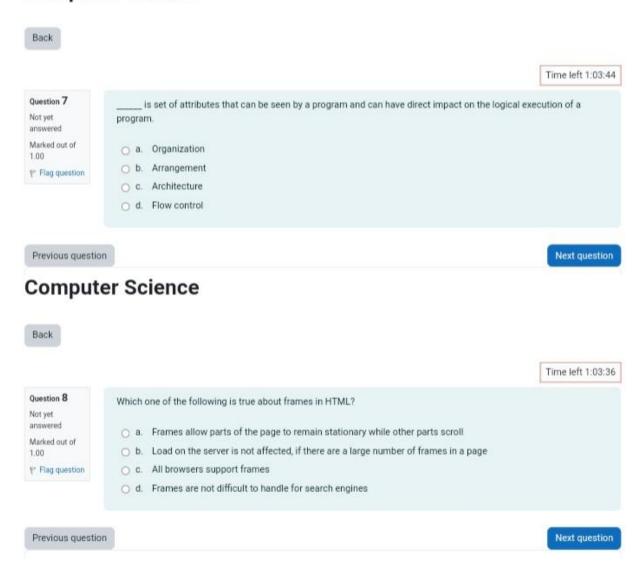
Which concept refers to extending specialized classes from generalized classes in object-oriented programming?

- o a. Data field Encapsulation
- O b. Inheritance
- o c. Overloading
- Od. Overridding

Previous question

Next question





Back

Time left 1:03:28

#### Question 9

Not yet answered Marked out of 1.00

Flag question

```
int[] list = new int[4];
int sum = 0;
for(int i = 0; i < list.length; i++)
{
          list[i] = i*3;
          sum += list[i];
}
System.out.print(sum);

          a. 6
          b. 3</pre>
```

What is the output of the following Java fragment code?

Previous question

Next question

### **Computer Science**

c. 36d. 18

Back

Time left 1:03:18

#### Question 10

Not yet answered Marked out of 1.00

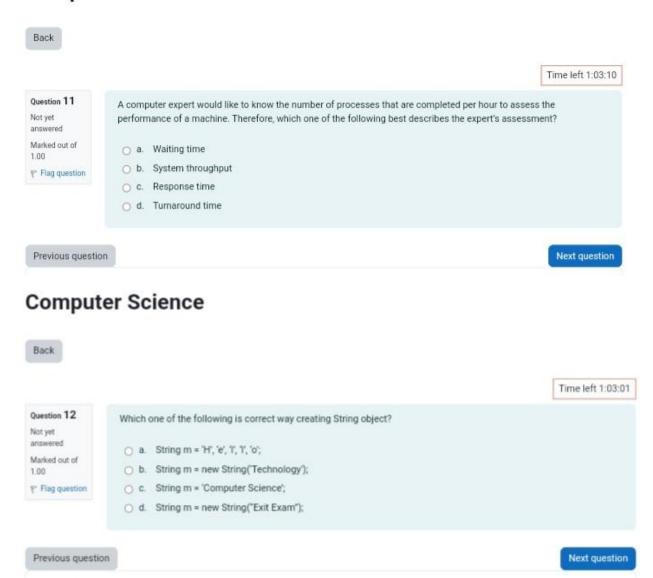
Flag question

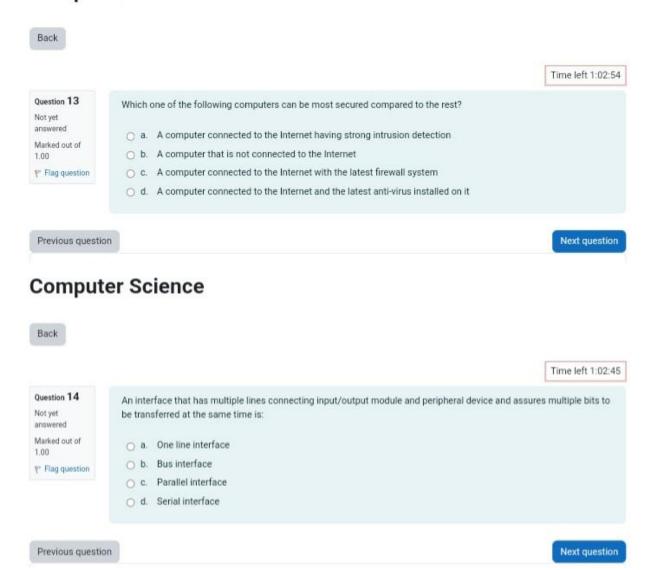
Which one of the following is a security service enforced to protect discloser of information, which can be stored in file or being on transmission, from unauthorized entities?

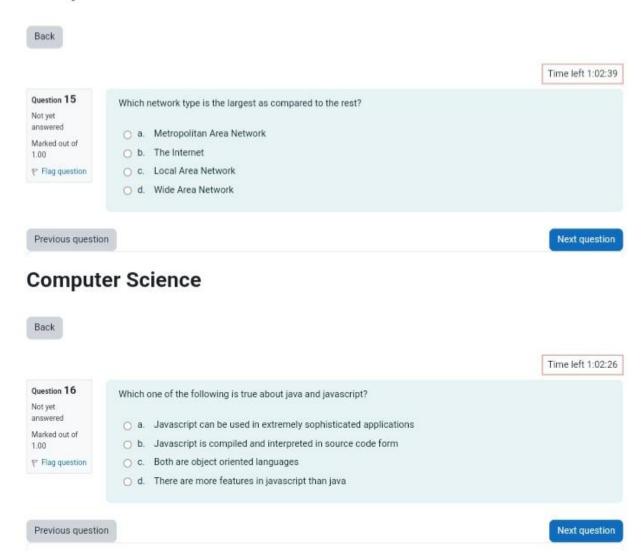
- o a. Authentication
- o b. Confidentiality
- o c. Integrity
- od. Availability

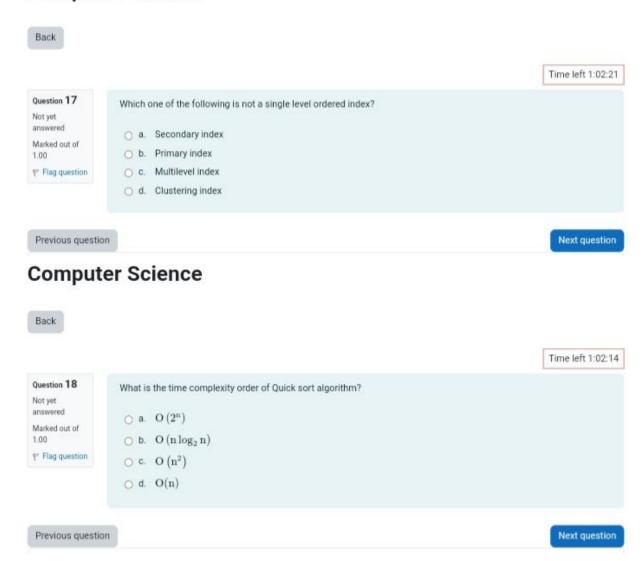
Previous question

Next question









Previous question

Back Time left 1:02:06 Question 19 Which asymptotic notation describes worst case analysis? Not yet answered  $\bigcirc$  a.  $f(n) = \text{little-} \omega(\text{ little omega})$ Marked out of  $\bigcirc$  b.  $f(n) = \theta$  (thetha) 1.00 Flag question  $\bigcirc$  c.  $f(n) = \Omega(Big omega)$  $\bigcirc$  d. f(n) = little-ohNext question Previous question **Computer Science** Back Time left 1:01:58 Question 20 Assume you make modification to your software. Then you want to make sure that the modification has not had Not yet introduced new errors. Which software testing level is required? answered Marked out of o a. Beta testing 1.00 O b. Dynamic testing Flag question o. Regression testing o d. Static testing

Next question

Back

```
Question 21
Not yet
answered
```

Marked out of 1.00

Flag question

```
What is the output of the following fragment C++ code?

for(int n = 1; n < = 18; n = n + 2)
{

    if(n % 7! = 0)
        cout<<n<<" ";
    else
        break;
}

    a. 1 3 5 7 9 11 13 15 17

    b. 1 2 3 4 5 6

    c. 1 3 5

    d. 3 5 7
```

Previous question

Next question

Time left 1:01:50

Back

Question 22

Marked out of

Flag question

Not yet

answered

What is the output of the following C++ fragment code?

int a, b;

a= 13;

b = 9;

whille( (20 && 0) && (a > b) )

{
 cout<<"Plants are our life";
}

a. No message will be displayed

b. It displays message "Plants are our life" infinitely

c. It displays message "Plants are our life" 20 times

d. It displays message "Plants are Our Life" 4 times

#### **Computer Science**

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Previous question

Time left 1:01:34

Next question

#### Question 23

Not yet

answered Marked out of 1.00

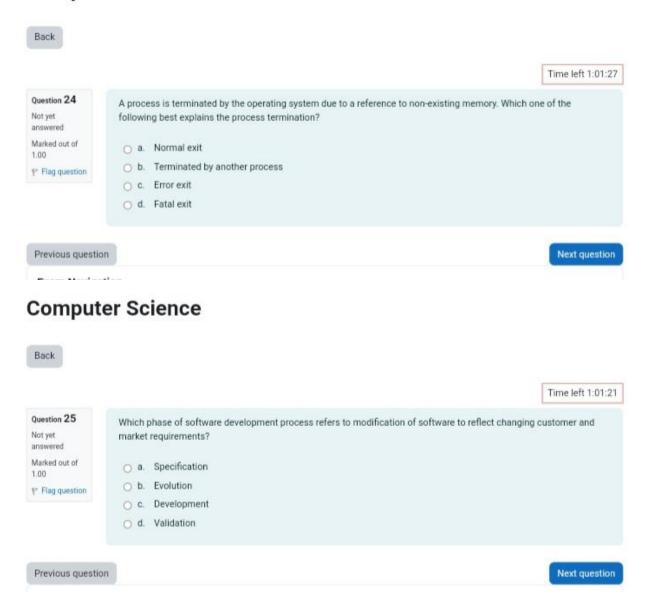
Flag question

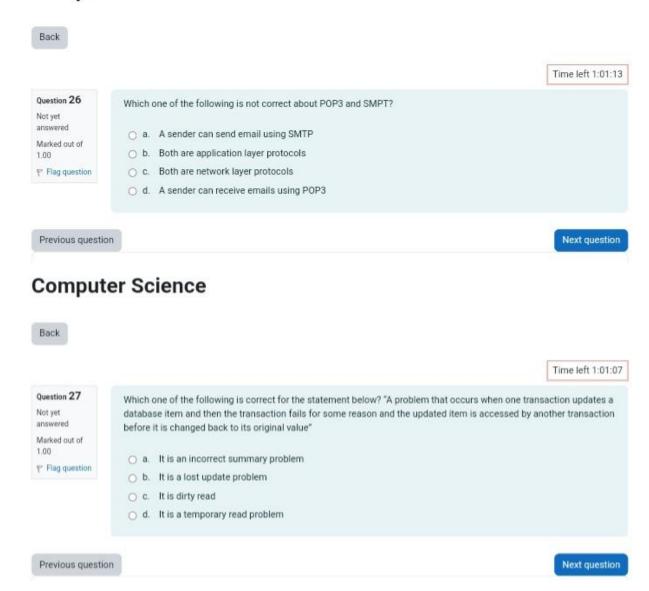
Assume you have a universe of Key U. Which one is false statement regarding Direct Address table and Hash Table data structures?

- $\,\bigcirc\,$  a. If universe U is very large, Hash table is better than Direct Address table
- O b. Hash table allocates one separate memory slot for each key in the universe U
- c. There is one to one correspondence between keys in the universe U and memory slots in the Direct Address table
- O d. Direct Address table doesn't use hash function to map keys

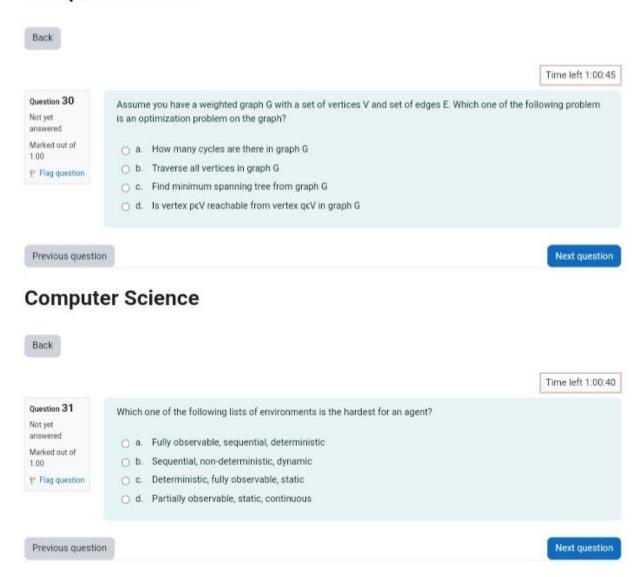
Previous question

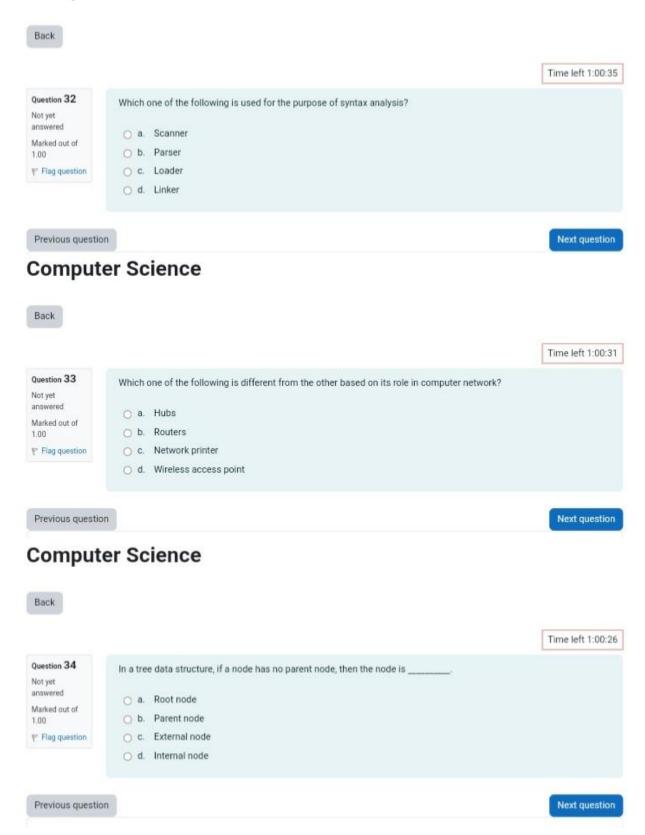
**Next question** 

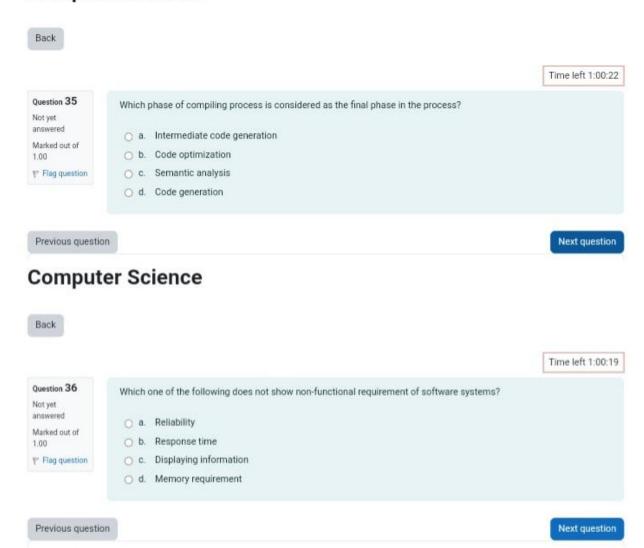


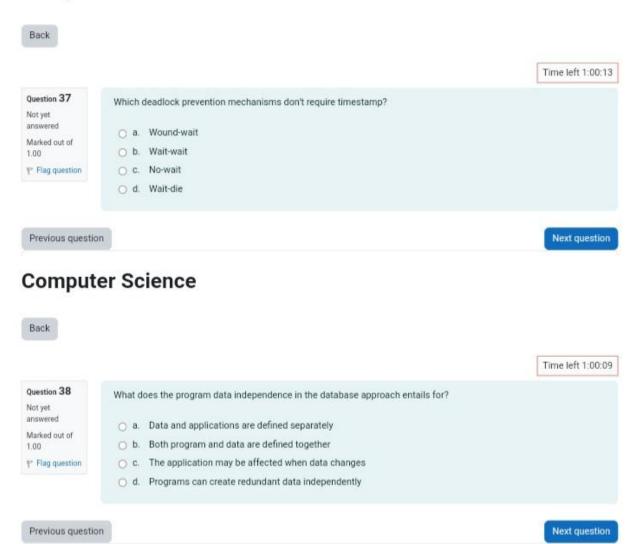


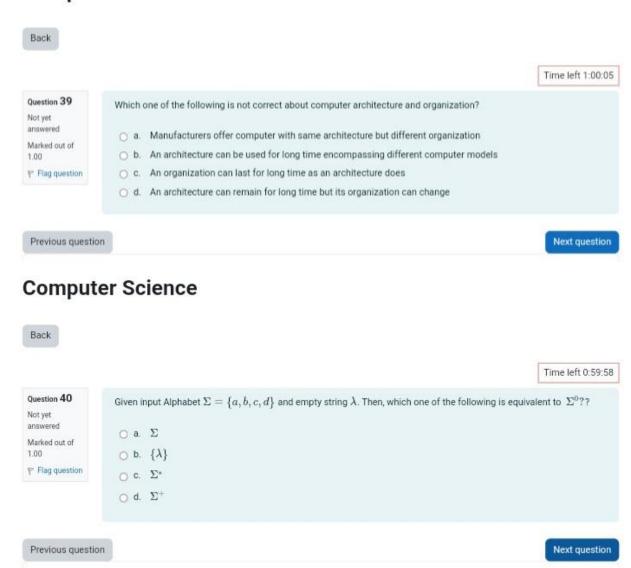
		Time left 1:00:59
Question 28 Not yet answered Varked out of	Given the schemas:BOOK (Book_id, Title, Publisher_name) BOOK_AUTHOR (Book_id, Author_name) PUBLISHER (Name, Address, Phone) Which one of the following SQL is correct to delete the publisher named as 'XWZ' from the PUBLISHER table	
,00	a. DELETE FROM PUBLISHER WHERE Address = 'XWZ'	
Flag question	b. DELETE FROM PUBLISHER WHERE Name = 'XWZ'	
	c. DELETE FROM BOOK, AUTHOR WHERE Address = 'XWZ'	
	○ d. DELETE FROM BOOK WHERE Name = 'XWZ'	
Previous question		Next question
Compute	er Science	
•	er Science	
•	er Science	Time left 1:00:5
Back  Question 29	Which one of the following is responsible for separating some machines from the reattacks?	Time left 1:00:51
Back  Juestion 29  lot yet nswered  Marked out of	Which one of the following is responsible for separating some machines from the re	
Back  Nuestion 29  lot yet nswered  Marked out of	Which one of the following is responsible for separating some machines from the reattacks?	
Back  Question 29  Not yet answered  Marked out of 1.00  P Flag question	Which one of the following is responsible for separating some machines from the reattacks?	











Back Time left 0:59:50 Question 41 Suppose you are administering a network and would like to know whether a computer in the upstairs is connected to Not yet the network or not. Therefore, which command would you use? answered Marked out of o a. ping 1.00 o b. traceroute F Flag question o c. DHCP discover od. nslookup Next question Previous question **Computer Science** Back Time left 0:59:45

#### Question 42

Not yet answered Marked out of

1.00

Flag question

What is the output of the following Java fragment code?

int n = 6, m = 15, p = 3; n -= m; n \*= p; System.out.print(n);

O a. 27

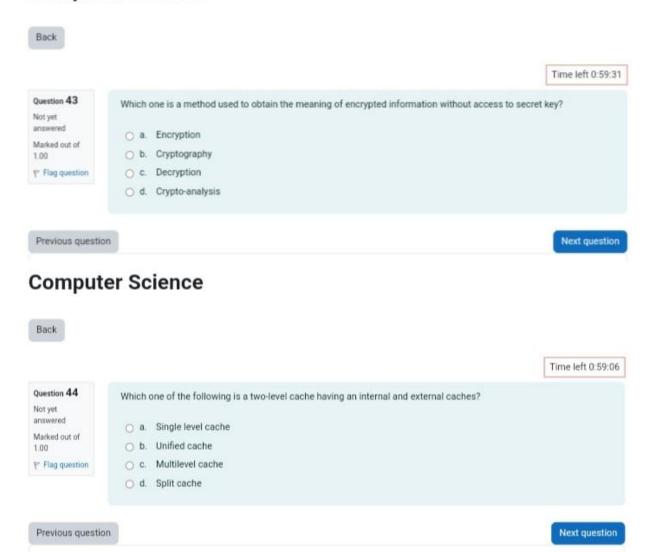
O b. -27

O c. 3

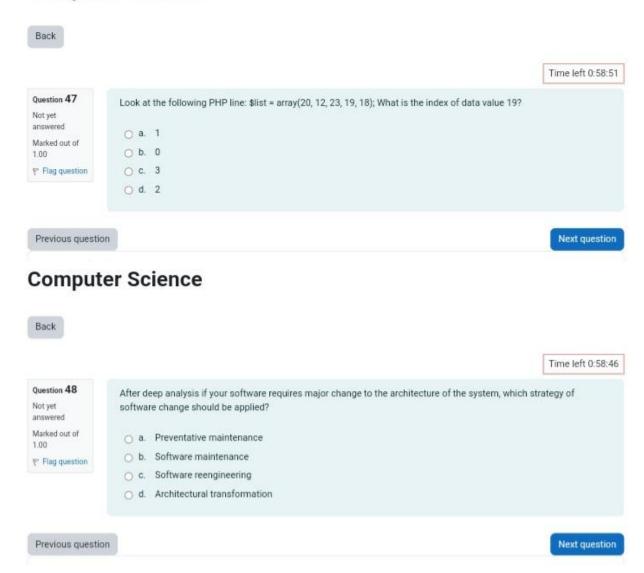
O d. 24

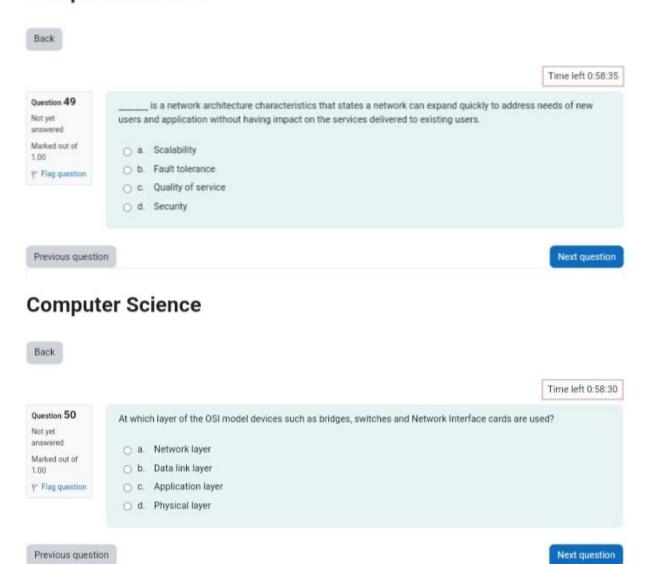
Previous question

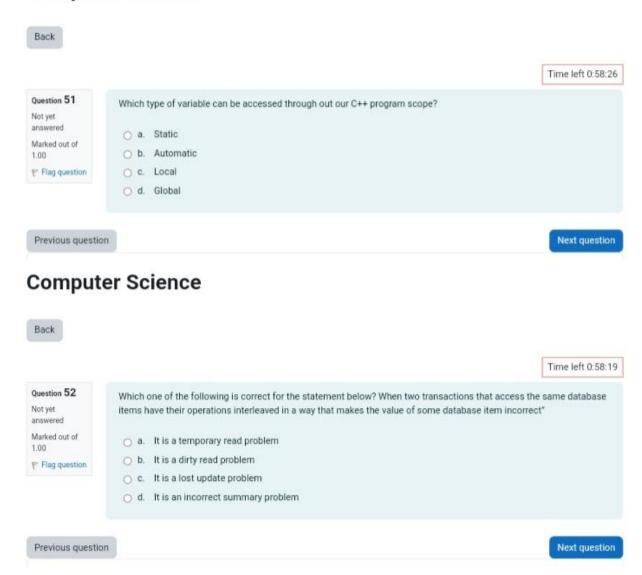
Next question

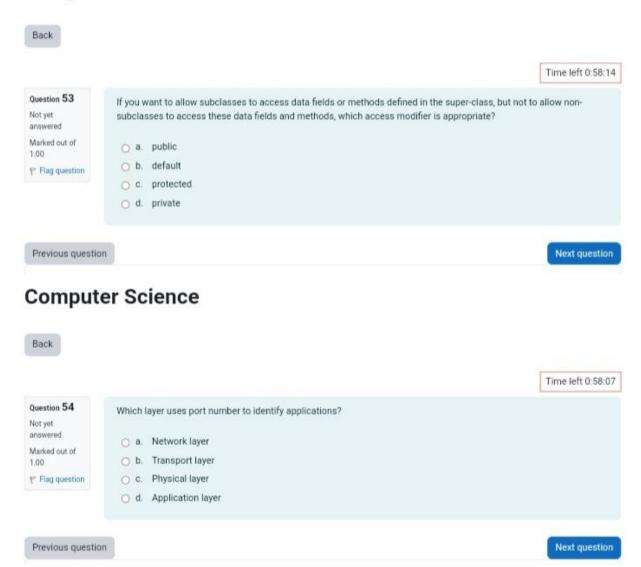


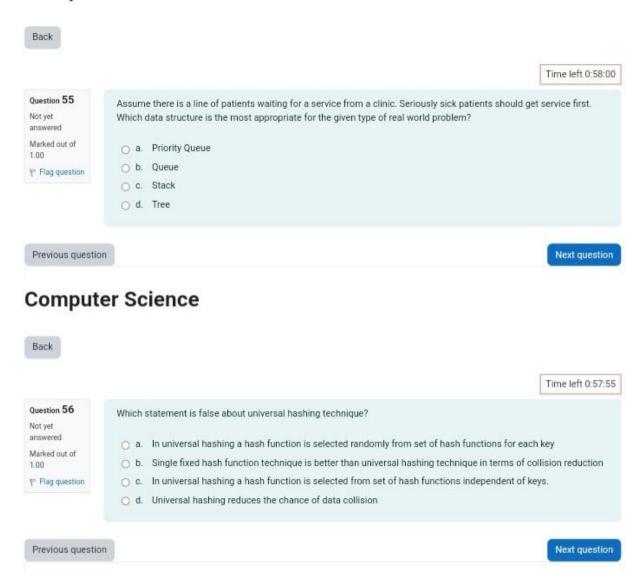
		Time left 0:58:59
Question 45 Not yet answered	Advancement of operating system is closely tied to computer arc generations. Which one of the following generation and advancer	
Marked out of	a. Third generation -> batch system	
Flag question	b. Second generation ->multiprogramming	
	o c. First generation-> single user	
	O d. Fourth generation -> real time systems	
Previous question		Next question
•	er Science	
Compute Back	er Science	Time left 0:58:55
Back Question 46 Not yet answered	Suppose you have received a message from your friend but the m friend has used a program to encode messages into scrambled to would you use?	nessage is scrambled for the sake of security. Your
Back Question 46 Not yet	Suppose you have received a message from your friend but the m friend has used a program to encode messages into scrambled to would you use?	nessage is scrambled for the sake of security. Your
Question 46 Not yet answered Marked out of	Suppose you have received a message from your friend but the messages into scrambled to would you use?  a. Decryption program	nessage is scrambled for the sake of security. Your
Question 46 Not yet answered Marked out of	Suppose you have received a message from your friend but the m friend has used a program to encode messages into scrambled to would you use?	nessage is scrambled for the sake of security. Your

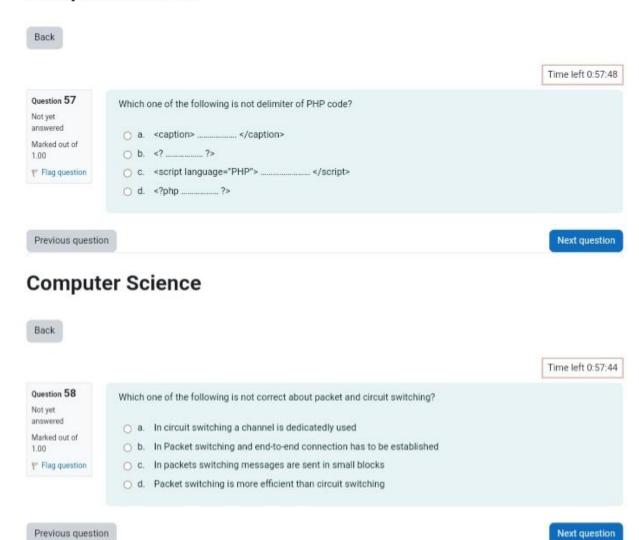


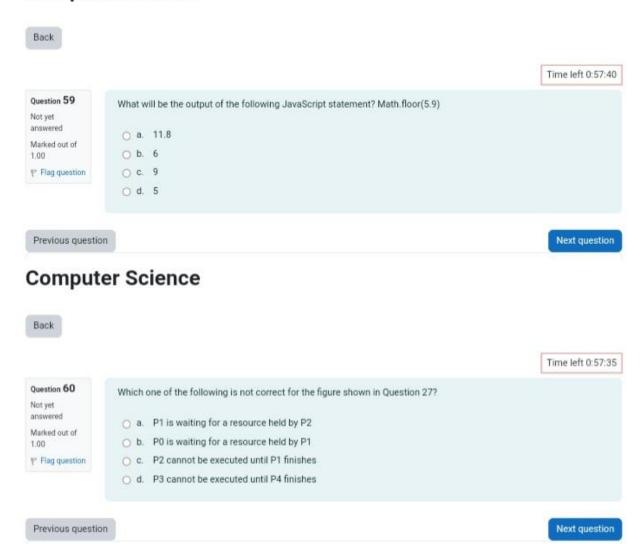


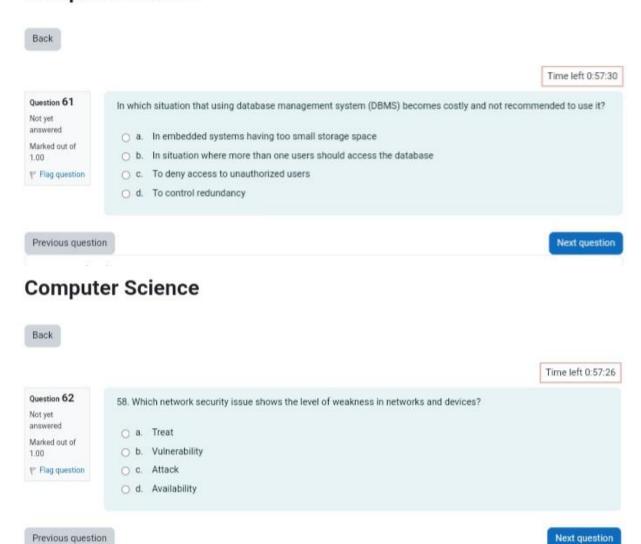


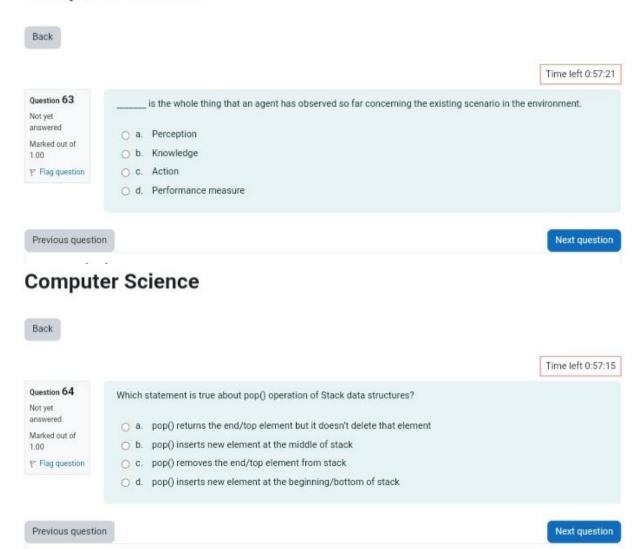


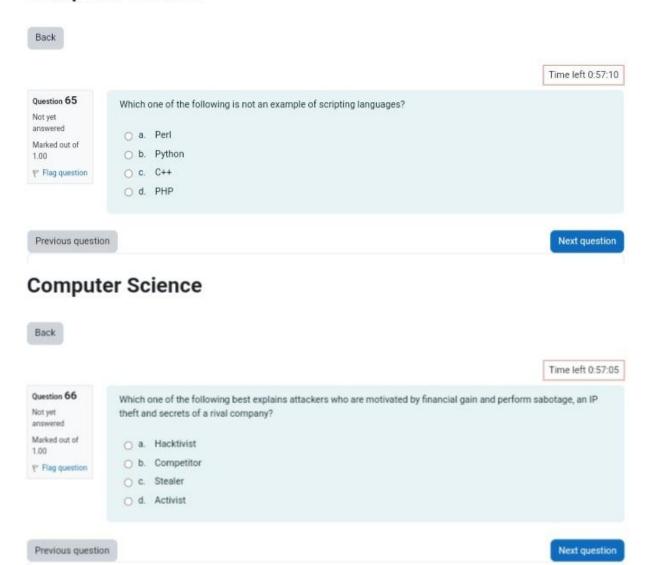












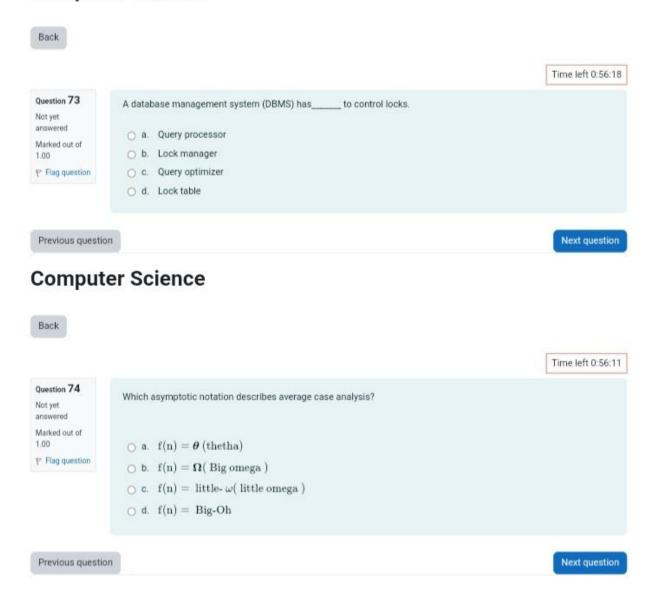
Not yet answered . a. Marked out of 1.00 . b c d d d d		Time left 0:56:58
Not yet answered  Marked out of 1.00  Previous question  Computer Sc  Back  Question 68  Not yet answered wariable is gene Marked out of 1.00  Previous Question  Sc  Previous Question  Answered wariable is gene P: S  Priag question  Price answered wariable is gene P: S  Priag question	Queue Stack Priority queue Tree	PRISE
Computer Sc  Back  Question 68  Not yet answered is gene Marked out of 1.00 P:S F Flag question	ience	Next question
Question 68  Not yet variable is gene Marked out of 1.00  Filag question  Let a G variable is gene S S S S	ience	
Not yet answered is gene Marked out of 1.00 P:S  F Flag question		Time left 0:56:51
Marked out of 1.00 P:S  ▼ Flag question S → 2	rammar $G=(\{S\},\{a,b\},S,P)$ , where $\{S\}$ is set of variables, $\{a,b\}$ is set of and P is set of productions. Then which one of the following is not an element of	terminal symbols, S is start
1.00 $\mathbf{P}: \mathbf{S}$ F Flag question $\mathbf{S} \to \mathbf{A}$	rated from G. Given:	
, , , , , , , , , , , , , , , , , , , ,	$\rightarrow$ <b>aSb</b> ,	
○ a.	<b>X</b>	
	ab	
○ b.		
O c.	λ	
○ d.		
Previous question	a	

Previous question

Back Time left 0:56:40 Question 69 Which one of the following is not correct about transaction failure? Not yet answered: o a. Transactions fail if disk blocks lose their data Marked out of O b. Concurrency control enforcement avoids transaction failure o. Transactions fail if logical errors are detected Flag question O d. Catastrophes can be cause of transaction failure Previous question **Next question Computer Science** Back Time left 0:56:34 Question 70 Consider the following fragment of C++ code: Not yet const int x = 8; answered const int y = 16; Marked out of if(x > y)1.00 int z = x + y; Flag question For codes like the above one, which technique of code optimization is appropriate? o a. Dead code elimination o b. Compile time evaluation o c. Code motion O d. Arithmetic simplification

Next question

Back		
		Time left 0:56:28
Question <b>71</b> Not yet answered Marked out of 1.00  Figure Flag question	Which one of the following is true about functions in JavaScript?  a. Function names can begin with digits b. Function names are not case-sensitive c. Function names can contain spaces	
	d. There is no limit to the number of function parameters that a function may contain	
Previous question		Next question
Back		Time left 0:56:22
Question 72 Not yet answered	If you plan a software test to be done by clients to demonstrate that the system satisfies their phase of software testing is appropriate?	
Marked out of	o a. System testing	
₹ Flag question	O b. Acceptance testing	
	o c. Unit testing	
	O d. Integration testing	
Previous question		Next question



Question 75
Not yet answered
Marked out of 1.00

P Flag question

Which one of the following is valid statement regarding PHP variables?

O a. \$test = 9.5

D b. \$test = "Computer;

C c. \$test = "This is 'Computer science'";

O d. test = 5;

Next question

### **Computer Science**

Time left 0:55:41

Question 76
Not yet answered
Marked out of 1.00

▼ Flag question

Previous question

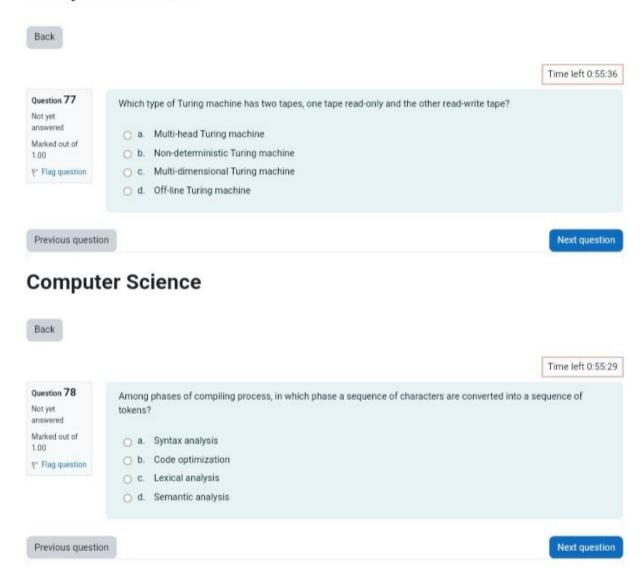
Time left 0:55:41

Which statement is false about programming language generations?

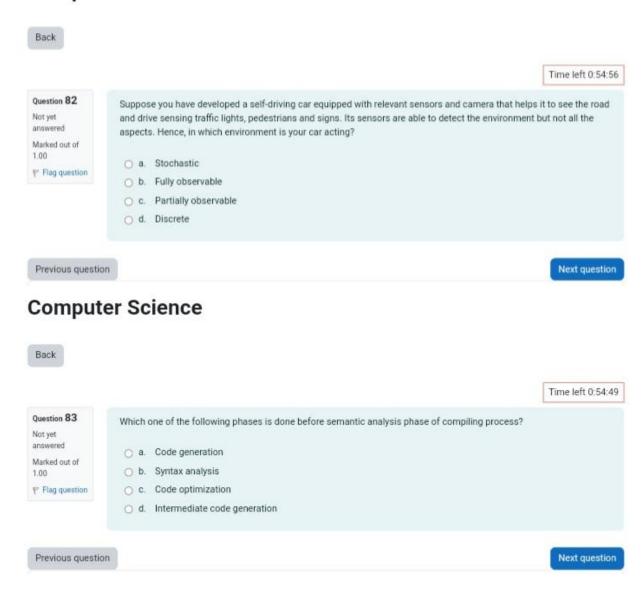
Assembly language can be executed without translation

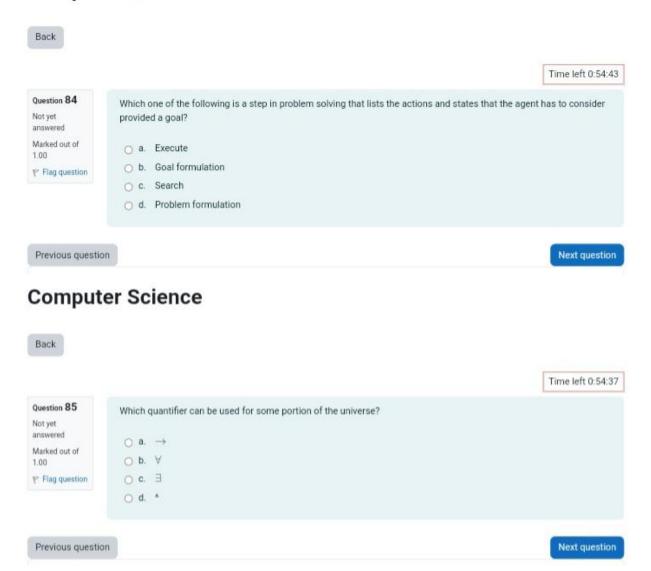
C. Assembly language is machine independent

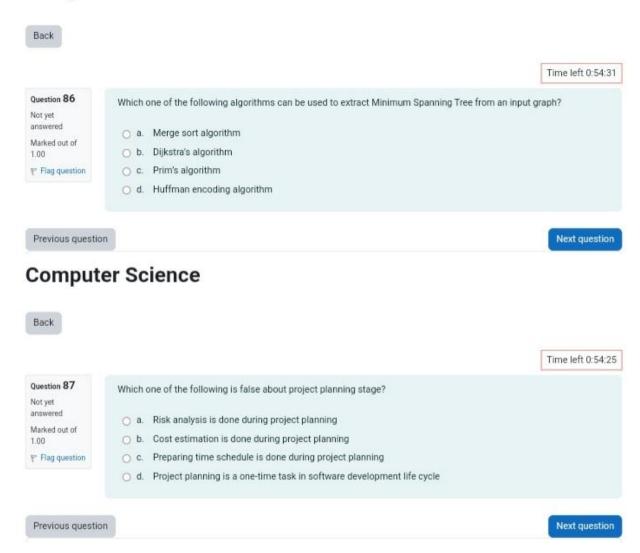
Od. Assembly language should be translated to machine language before execution

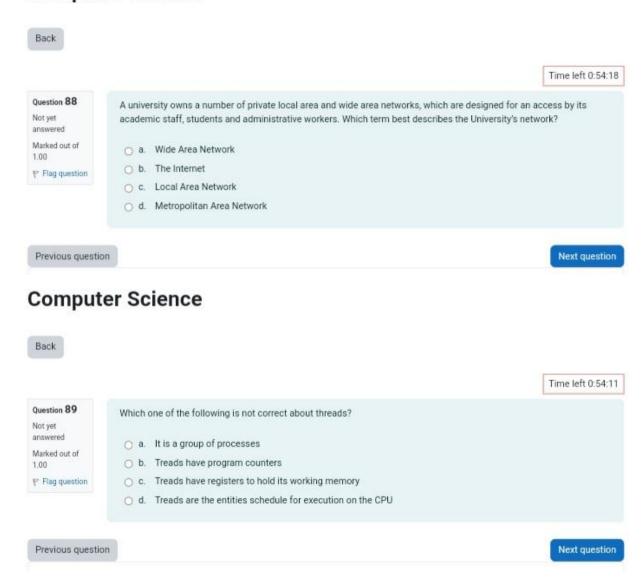


Back Time left 0:55:15 Question 79 Which one of the following is false about String in Java? Not yet answered o a. In Java a string is treated as object Marked out of o b. Content of a string can be changed once the string is created o c. We can create a String object using String literal Flag question od. We can create a String object using array of characters Previous question **Next question Computer Science** Back Time left 0:55:09 Question 80 Linked list data structure is type of data structure. Not yet answered o a. Static data structure Marked out of O b. Fixed size data structure 1.00 o. Non-linear data structure Flag question d. Dynamic data structure Next question Previous question Computer Science Back Time left 0:55:04 Question 81 Which one of the following is evaluating the degrees of success of an agent? Not yet answered a. Performance measure Marked out of o b. Knowledge oc. Action Flag question O d. Perception Previous question **Next question** 









Back

Previous question

Time left 0:54:06 Question 90 What is the output of the following C++ fragment code? Not yet int a = 6, b = 8; answered int x = 2, y = 4; Marked out of int c = (x > y ? (a-, x) : (b-, y));Flag question cout<<"a= "<<a; cout<<" b= "<<b; cout<<" c= "<<c; ○ a. a = 6 b = 8 c = 4o b. a = 5 b = 8 c = 4○ c. a = 6 b = 7 c = 4Od. a = 5 b = 7 c = 2Previous question Next question **Computer Science** Back Time left 0:54:01 Question 91 Which one of the following is a measure taken, to ensure information and information systems' availability, integrity, Not yet authentication and confidentiality? answered Marked out of o a. Wiretapping 1.00 O b. Interception Flag question o c. Information assurance od. Information security

**Next question** 

Back

Time left 0:53:54

#### Question 92

Not yet answered

Marked out of 1.00

Flag question

Given input Alphabet  $\Sigma = \{a, b, c, d\}$  and empty string  $\lambda$ . Then, which one of the following is true about  $\Sigma^*$ ?

- $\bigcirc \ \, \text{a.} \ \, \Sigma^* = \Sigma^1 U \Sigma^2 U \Sigma^3 U \Sigma^4$
- $\bigcirc \ \, \mathrm{b.} \ \, \Sigma^* = \Sigma^+ U\{\lambda\}$
- $\bigcirc$  c.  $\Sigma^* = \{\lambda\}$
- $\bigcirc \ {\rm d.} \ \Sigma^* = \Sigma^+$

Previous question

Next question

#### **Computer Science**

Back

Time left 0:53:45

#### Question 93

Not yet answered Marked out of 1.00

Flag question

Which one of data updates best describes the following statement? "All modified data items in the cache is written either after transaction ends its execution or after a pre-determined number of transactions have concluded their execution"

- o a. Shadow update
- o b. Immediate update
- o. Deferred update
- o d. In-place update

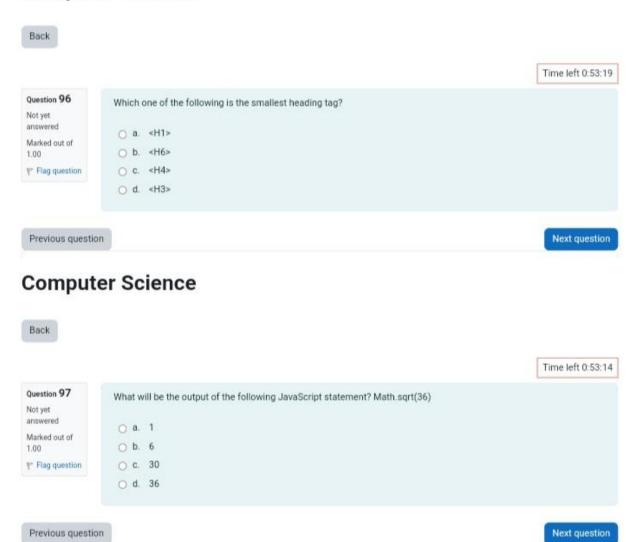
Previous question

Next question

Previous question

Back Time left 0:53:38 Question 94 What is the purpose of an opcode that is as indicated in the figure below? Not yet answered Marked out of 1.00 Flag question o a. It holds the source address of an operand o b. It determines the operation to be done o. It holds the next instruction reference o d. It holds the destination address of an operand Previous question **Next question Computer Science** Back Time left 0:53:32 Question 95 Among the following, which one best describes a database management system (DBMS)? Not yet answered. o a. It can assist process images Marked out of O b. It is responsible for creating and maintaining a database ₹ Flag question o. It can assist you to process document od. It can help users to manage computer's activity

**Next question** 



		Time left 0:53:09
Question 98	Which one of the following is false about arrays in C++?	
Not yet answered		
Marked out of 1.00	<ul> <li>a. We can access elements of arrays without using index number</li> </ul>	
	b. An array is a collection of similar data objects	
P Flag question	oc. Size of an array should be constant at the time of array declaration	
	O d. We use [] square bracket at the time of array declaration	
Previous questio	n	Next question

