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Others
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```
Q1. What is the output of the following program? *
                                                                     1/1
#include<stdio.h>
main()
 printf("\");
 Compile error
```

Q2. For the below definition what is the data type of 'PI' *	1/1
#define PI 3.141	
O Its a float	
O Its double	
There is no type associated with PI, as it's just a text substitution	<b>✓</b>
Syntax error, semi colon is missing with the definition of PI	
Q3. What is the built in library function to adjust the allocated dynamic memory size. *	1/1
malloc	
Calloc	
realloc	<b>✓</b>

!

resize

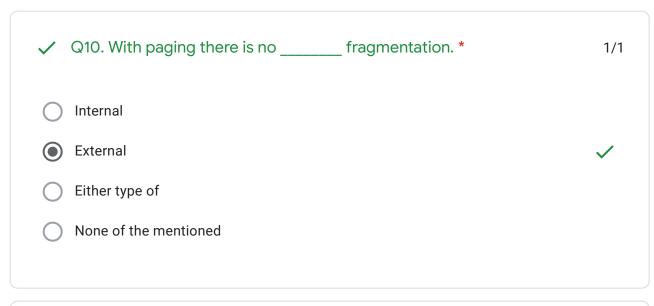
✓ Q4. What is the size of an int data type? \*
 4 Bytes
 8 Bytes
 Depends on the system/compiler
 ✓
 Cannot be determined

```
✓ Q5. What will be the output of the following C code? *

                                                                         1/1
  #include <stdio.h>
  int main()
    signed char chr;
    chr = 128;
    printf("%d\n", chr);
    return 0;
    128
    -128
    Depends on the compiler
    None of the mentioned
```

	Q6. To access the services of operating system, the interface is provided 1/1 by the *	
S	System calls	<b>✓</b>
_ A	API	
O L	ibrary	
_ A	Assembly instructions	
	77. Which one of the following error will be handled by the operating ystem? *	1/1
O P	Power failure	
O L	ack of paper in printer	
O 0	Connection failure in the network	
A	All of the mentioned	<b>✓</b>

Q8. Which of the following do not belong to queues for process	ses? * 1/1
O Job Queue	
PCB queue	<b>✓</b>
O Device Queue	
Ready Queue	
Q9. A situation where several processes access and manipulate data concurrently and the outcome of the execution depends o particular order in which access takes place is called	n the
data concurrently and the outcome of the execution depends o	n the
data concurrently and the outcome of the execution depends o particular order in which access takes place is called	n the
data concurrently and the outcome of the execution depends o particular order in which access takes place is called  Data consistency	n the



✓ Q11. The ALU makes use of \_\_\_\_\_\_ to store the intermediate results. \* 1/1
 ⑥ Accumulators
 ✓
 ✓
 ✓
 Stack
 Heap

<b>✓</b>	Q12 is generally used to increase the apparent size of physical memory. *	1/1
0	Secondary memory	
	Virtual memory	<b>✓</b>
$\bigcirc$	Hard-disk	
0	Disks	
	Q13. The computer architecture aimed at reducing the time of execution	on 1/1

of instructions is \_\_\_\_\_\*

CISC

RISC

ISA

ANNA

<b>/</b>	Q14. Which of the following is FALSE about arrays on Java. *	1/1
	A java array is always an object	
•	Length of array can be changed after creation of array	<b>✓</b>
C	Arrays in Java are always allocated on heap	
C	All the above	
<b>/</b>	Q15. What is the best case time complexity of linear search algorithm?	* 1/1
•	0(1)	<b>✓</b>
C	) O(n)	
C	O(log n)	
C	O(n2)	

Q16. push() and pop() functions are found in *	1/1
Queues	
Llists	
Stacks	<b>~</b>
○ Trees	
Q17. Which of the following standard algorithms is not a Greedy algorithm? *	1/1
Dijkstra's shortest path algorithm	
Prim's algorithm	
Kruskal algorithm	

Bellmen Ford Shortest path algorithm

Q18. Which of the following algorithms is NOT a divide & conquer algorithm by nature? *	1/1
Euclidean algorithm to compute the greatest common divisor	
Heap Sort	<b>✓</b>
Cooley-Tukey fast Fourier transform	
Quick Sort	

✓ Q19. Which of the following is/are true about constructors in Java? \* 1/1 1. Constructor name should be same as class name. 2.If you don't define a constructor for a class, Constructor name should be same as class name. 3. The default constructor calls super() and initializes all instance variables to default value like 0, null. 4.If we want to parent class constructor, it must be called in first line of constructor. 1, 2 1, 2 and 3 (a) 1, 2, 3 and 4

Q20. Which of the following is not an operator in Java? *	1/1
instanceof	
sizeof	<b>✓</b>
new	
>>>=	

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