

TASK ON LOOPS

A. `for` Loop Questions (10)

1. Write a `for` loop that prints numbers from 1 to 10.
 2. Write a `for` loop that prints even numbers between 1 and 20.
 3. Write a `for` loop that prints the multiplication table of 5.
 4. Write a `for` loop that prints all elements in an array.
 5. Write a `for` loop to calculate the sum of numbers from 1 to 100.
 6. Write a `for` loop to find the factorial of a number.
 7. Use a `for` loop to print only the odd numbers from 1 to 15.
 8. Create a `for` loop that prints all numbers from 10 to 1 (in reverse).
 9. Write a `for` loop that prints the squares of numbers from 1 to 10.
 10. Use a `for` loop to count how many numbers between 1 and 50 are divisible by 3.
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B. `while` Loop Questions (10)

11. Write a `while` loop that prints numbers from 1 to 10.
 12. Write a `while` loop to print all even numbers between 1 and 30.
 13. Write a `while` loop that prints numbers in reverse from 20 to 1.
 14. Write a `while` loop that prints the multiplication table of 7.
 15. Write a `while` loop to print characters from a string one by one.
 16. Write a `while` loop that sums numbers until the total is greater than 100.
 17. Use a `while` loop to count down from 50 to 0, skipping by 5.
 18. Write a `while` loop to print the first 10 square numbers.
 19. Use a `while` loop to search for a specific value in an array.
 20. Write a `while` loop to print all odd numbers from 1 to 25.
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C. `do...while` Loop Questions (10)

21. Write a `do...while` loop that prints numbers from 1 to 10.
22. Write a `do...while` loop that prints numbers from 100 to 90.
23. Use a `do...while` loop to input numbers until the user enters a number greater than 100 (assume prompt).
24. Write a `do...while` loop that prints the multiplication table of 3.
25. Write a `do...while` loop to reverse the digits of a number.
26. Use a `do...while` loop to keep adding numbers until their sum is at least 500.
27. Write a `do...while` loop that runs at least once, even if the condition is false.
28. Write a `do...while` loop to print every character in a string.
29. Create a `do...while` loop that prints the first 10 powers of 2.

30. Write a `do...while` loop to print all vowels in a given string.