

QSpiders | JSpiders | PySpiders, NOIDA

B-4, Block-B, Sector-3, Noida

While Loop-III Questions by Shambhu Sir



@javac_java

Monday, 11 August 2025



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Q1

Write a java program to take a user input and print each digits of the number one by one from right to left.

Input:

N=43705;

Output:

5
0
7
3
4

While Loop Digit based Programming

Q2

Write a java program to take a user input and print each even digits of the number one by one.

Input:

N=43705;

Output:

0

4

While Loop Digit based Programming

Q3

Write a java program to take a user input and print each odd digits of the number one by one.

Input:

N=43705;

Output:

5

7

3

While Loop Digit based Programming

Q4

Write a java program to take a user input and print each digits of the number which are greater than or equals to 5 one by one.

Input:

N=43705;

Output:

5

7

While Loop Digit based Programming

Q5

Write a java program to take a user input and print the biggest digit of the number.

Input:

N=43705;

Output:

7

Important
Don't leave it..!!

While Loop Digit based Programming

Q6

Write a java program to take a user input and print the difference of biggest digit and smallest digit of the number.

Input:

N=42375;

Output:

5

While Loop Digit based Programming

Q7

Write a java program to take a user input and count the total digit of the number.

Input:

N=43705;

Output:

5

Important
Don't leave it..!!

While Loop Digit based Programming

Q8

Write a java program to take a user input and print each digit of the number from left to right.

Input:

N=43705;

Output:

4

3

7

0

5

Important
Don't leave it..!!

While Loop Digit based Programming

Q9

Write a java program to take a user input and print each digit of the number from left to right(Without using any inbuilt features)

Input:

N=43705;

Output:

4

3

7

0

5

Important
Don't leave it..!!

While Loop Digit based Programming

Q10

Write a java program to take a user input and count how many 0 digit is in number.

Input:

N=430705;

Output:

2

While Loop Digit based Programming

Q11

Write a java program to take a user input and count how many 3 has appeared in the number

Input:

N=4373533;

Output:

4

While Loop Digit based Programming

Q12

Write a java program to take a user input and count the even digits of the number.

Input:

N=42765;

Output:

3

While Loop Digit based Programming

Q13

Write a java program to take a user input and count the odd digits of the number.

Input:

N=42765;

Output:

2

While Loop Digit based Programming

Q14

Write a java program to take a user input and count all the digits of the number which are less than or equals to 5.

Input:

N=42765;

Output:

3

While Loop Digit based Programming

Q15

Write a java program to take a user input and print the sum of each digit of the number.

Input:

N=4207065;

Output:

24

Important
Don't leave it..!!

While Loop Digit based Programming

Q16

Write a java program to take a user input and print the sum of each even digits of the number.

Input:

N=42765;

Output:

12

While Loop Digit based Programming

Q17

Write a java program to take a user input and print the sum of each odd digits of the number.

Input:

N=42763;

Output:

10

While Loop Digit based Programming

Q18

Write a java program to take a user input and print the sum of each digits of the number which are less than or equals to 5.

Input:

N=42765;

Output:

11

While Loop Digit based Programming

Q19

Write a java program to take a user input and print the product of each digit of the number will be even or Odd.

Input:

N=9735;

Output:

It will give Odd Product

While Loop Digit based Programming

Q20

Product and Sum Difference:

<https://leetcode.com/problems/subtract-the-product-and-sum-of-digits-of-an-integer/>

While Loop Digit based Programming

Q21

Design a method which will accept a number and will return true if all the digits of the number is in increasing order.

Input:

N=2568;

Output:

true

While Loop Digit based Programming

Q22

Design a method which will accept a number and will return true if all the digits of the number is in decreasing order.

Input:

N=7652;

Output:

true

While Loop Digit based Programming

Q23

Design a method which will accept a number and will return true if it has different adjacent digits.

Input:

N=726352;

Output:

true

While Loop Digit based Programming

Q24

Add Digit:

<https://leetcode.com/problems/add-digits/description/>

While Loop Digit based Programming

Q25

Count Digits that divides Number:

<https://leetcode.com/problems/count-the-digits-that-divide-a-number/description/>

While Loop Digit based Programming

Q26

Write a java program to take a user input and print the factorial of each digits of the number.

Input:

N=42065;

Output:

5!=120

6!=720

0!=1

2!=2

4!=24

Important
Don't leave it..!!

While Loop Digit based Programming

Q27

Write a java program to take a user input and print the sum of factorial of each digits of the number.

Input:

N=42065;

Output:

867 (120+720+1+2+24)

Important
Don't leave it..!!

While Loop Digit based Programming

Q28

Write a java program to take a user input and print whether the number is a strong number or not.

Input:

N=145;

Output:

145 is a Strong Number.

Strong number:

If the sum of factorials of each digit of a number is equal to number itself then it is a Strong number.

Eg:

N= 145

Factorial sum= $1!+4!+5!=1+24+120=145$ which is equal to number itself

Important
Don't leave it..!!

While Loop Digit based Programming

Q29

Write a java program to take a user input and reverse the number.

Input:

N=3745;

Output:

5473

Important
Don't leave it..!!

While Loop Digit based Programming

Q30

Write a java program to take a user input and print whether the number is a palindrome number or not.

Palindrome Number: if number and its reverse is same then it is called palindrome number.

Input:

N=34843

Output:

34843 is a Palindrome Number

**Important
Don't leave it...!!**

While Loop Digit based Programming

Q31

Palindrome Number:

<https://leetcode.com/problems/palindrome-number/>

**Important
Don't leave it...!!**

While Loop Digit based Programming

Q32

Write a java program to take a String input and check whether the given String is a palindrome String or not.

Palindrome String: if String is same from both side

Input:

String s1="madam";

Output:

madam is a Palindrome String

**Important
Don't leave it...!!**

While Loop Digit based Programming

Q33

Write a java program to take a String input and check whether the given String is a palindrome String or not(Without reversing)

Palindrome String: if String is same from both side

Input:

String s1="madam";

Output:

madam is a Palindrome String

**Important
Don't leave it...!!**

While Loop Digit based Programming

Q34

WAJP to take user input and count the number of binary bits in that number when it is represented in binary form.

n=20 {binary=10100}

o/p

5

While Loop Digit based Programming

Q35

Number of 1 Bits:

Number of 1 Bits - LeetCode

While Loop Digit based Programming

Q36

WAJP to take user input and count the number of 0's bits and 1's bits in that number.

While Loop Digit based Programming

Q37

Alternating Bits:

Binary Number with Alternating Bits - LeetCode

While Loop Digit based Programming

Q38

Number of Steps to Reduce a Number to Zero -
LeetCode

While Loop Digit based Programming

Q39

Trailing Zeroes in factorial:

Factorial Trailing Zeroes - LeetCode

While Loop Digit based Programming

Q40

Alternating Digit Sum:

<https://leetcode.com/problems/alternating-digit-sum/description/>

While Loop Digit based Programming

Q41

Power of Two or NOT:

<https://leetcode.com/problems/power-of-two/description/>

While Loop Digit based Programming

Q42

Power of Three or NOT:

Power of Three - LeetCode

While Loop Digit based Programming

Q43

Power of Four or NOT:

Power of Four - LeetCode