QSpiders|JSpiders|PySpiders, NOIDA

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

Number Based Questions by Shambhu Sir

@javac_java

Monday, 11 August 2025

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SHAMBHU KUMAR QSpiders |JSpiders, NOIDA

LEVEL-I

Q:1

WAJP to take user input and print whether the number is Prime number or not.

Number based Programming

Q2

WAJP to print and count all the Prime numbers up to a given range.

Number based Programming

Q3

WAJP to take user input and print nth prime number.

Number based Programming

Q4

WAJP to print all the alternate Prime numbers up to a given range.

o/p:

2 5 11 17….

Or

3 7 13 19

Number based Programming

Q5

WAJP to print and count all prime numbers in a range where sum of digits is also prime number.

[TCS NQT 2024]

Number based Programming

Q6

WAJP to take user input and check the number is palindrome or not.

Number based Programming

Q7

WAJP to print and count all the palindrome numbers in a given range.

Number based Programming

Q8

WAJP to take user input and print nth palindrome number.

Number based Programming

Q9

WAJP to print and count all the palindrome numbers in a range which is also a prime number.

Number based Programming

Q10

WAJP to print and count all the perfect numbers up to 100.

Number based Programming

Q11

WAJP to take user input and print whether the number is Strong number or not.

Number based Programming

Q12

WAJP to print and count all the Strong numbers up to 100.

Number based Programming

Q13

WAJP to take user input and print whether the number is an Armstrong number or not.

Number based Programming

Q14

WAJP to print and count all the Armstrong numbers up to 100.

Number based Programming

Q15

WAJP to take user input and print whether the number is dissarium number or not.

Number based Programming

Q16

WAJP to print and count all the dissarium numbers up to 1000.

Number based Programming

Q17

Happy Number:

https://leetcode.com/problems/happy-number/

Number based Programming

Q18

WAJP to print and count all the Happy numbers up to 100.

Number based Programming

Q19

WAJP to take user input and print whether the number is Automorphic number or not.

Number based Programming

Q20

WAJP to print and count all the Automorphic numbers up to 100.

Number based Programming

Q21

WAJP to take three user inputs and print LCM of the three numbers.

Number based Programming

Q22

WAJP to take two user inputs and print GCD/HCF of the three numbers.

Number based Programming

Q23

WAJP to convert a decimal number into binary number.

Eg:

i/p: 28

o/p: 11100

Number based Programming

Q24

WAJP to convert a binary number into decimal number.

i/p: 101101

o/p: 45

Number based Programming

Q25

WAJP to convert a decimal number into octal number.

i/p: 235

o/p: 353

Number based Programming

Q26

WAJP to convert an octal number into decimal number.

Number based Programming

Q27

WAJP to convert a decimal number into a hexadecimal number.

Number based Programming

Q28

WAJP to convert a hexadecimal number into a decimal number.

Number based Programming

Q29

WAJP to calculate permutation or total number of ways of arrangements of n things taken r at a time.

$$n_{P_r} = \frac{n!}{(n-r)!}$$

Number based Programming

Q30

WAJP to calculate combination or total number of ways of selecting r things at a time from n things.

$$^{n}C_{r} = \frac{n!}{r! * (n-r)!}$$

Number based Programming

Q31

WAJP to print nth row of Pascal Triangle.

[Amazon]