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

While Loop-II Questions by Shambhu Sir



@javac\_java

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**Q1 WAJP to print sum of all natural numbers from 1 to 100.**

**1+2+3+4+.....+100**

## While Loop based Programming

Q2

WAJP to print sum of all even numbers from 1 to 100.

2+4+6+8+.....upto 100

## While Loop based Programming

**Q3**

**WAJP to print sum of all Odd numbers  
from 1 to 100.**

**1+3+5+7+.....upto 100**

## While Loop based Programming

Q4

WAJP to print sum of squares of all natural numbers from 1 to 100.

$$1^2 + 2^2 + 3^2 + \dots \dots upto 100$$

## While Loop based Programming

Q5

WAJP to print sum of cubes of all natural numbers from 1 to 100.

$$1^3 + 2^3 + 3^3 + \dots \dots \textit{upto 100}$$

## While Loop based Programming

Q6

WAJP to print sum of squares of all even numbers from 1 to 100.

$$2^2 + 4^2 + 6^2 + \dots \dots \textit{upto 100}$$

## While Loop based Programming

Q7

WAJP to print sum of cubes of all even numbers from 1 to 100.

$$2^3 + 4^3 + 6^3 + \dots \dots \textit{upto 100}$$

## While Loop based Programming

Q8

WAJP to print sum of squares of all odd numbers from 1 to 100.

$$1^2 + 3^2 + 5^2 + \dots \dots \textit{upto 100}$$



## While Loop based Programming

Q9

WAJP to print sum of cubes of all odd numbers from 1 to 100.

$$1^3 + 3^3 + 5^3 + \dots \dots \textit{upto 100}$$

## While Loop based Programming

**Q10**

**WAP to print the sum of below series:**

**$1 * 2 + 2 * 3 + 3 * 4 \dots \dots upto 100$**

## While Loop based Programming

**Q11**

**WAP to print the sum of below series:**

$$1 * 2^2 + 2 * 3^2 + 3 * 4^2 \dots \dots \textit{upto 100}$$

## While Loop based Programming

**Q12**

**WAJP to print the sum of below series:**

$$1^2 * 2 + 2^2 * 3 + 3^2 * 4 \dots \dots \textit{upto 100}$$

## While Loop based Programming

### Q13

WAJP to print the sum of below series:

$$\frac{1}{1} + \frac{1}{2} + \frac{1}{3} + \frac{1}{4} \dots \dots \textit{upto 100}$$

## While Loop based Programming

### Q14

WAP to print the sum of below series:

$$\frac{1}{2} + \frac{1}{4} + \frac{1}{6} + \frac{1}{8} \dots \dots \textit{upto 100}$$

## While Loop based Programming

### Q15

WAP to print the sum of below series:

$$\frac{1}{1} + \frac{1}{3} + \frac{1}{5} + \frac{1}{7} \dots \dots \textit{upto 100}$$

## While Loop based Programming

### Q16

WAJP to print the sum of below series:

$$\frac{1}{1^2} + \frac{1}{2^2} + \frac{1}{3^2} + \frac{1}{4^2} \dots \dots \textit{upto 100}$$



## While Loop based Programming

### Q17

WAJP to print the sum of below series:

$$\frac{1}{1^3} + \frac{1}{2^3} + \frac{1}{3^3} + \frac{1}{4^3} \dots \dots \textit{upto 100}$$

## While Loop based Programming

### Q18

WAJP to print the sum of below series:

$$\frac{1}{1 * 2} + \frac{1}{2 * 3} + \frac{1}{3 * 4} + \frac{1}{4 * 5} \dots \dots \textit{upto 100}$$

## While Loop based Programming

**Q19**

**WAJP to accept a input from user and  
print factorial of that number.**

**i/p: 6**

**o/p: 6!= 720**

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

## While Loop based Programming

**Q20**

**WAJP to accept two numbers from user  
and print power of a to b.**

**i/p: 6      3**

**o/p: 6 to power 3 is: 216**

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

## While Loop based Programming

**Q21**

**WAJP to accept a number from user and print sum of all its factors(number itself excluded).**

**i/p: 14**

**o/p: sum is: 10 (1+2+7)**

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

## While Loop based Programming

**Q22**

**WAJP to accept a number from user and print the number is a perfect number or not.**

**i/p: 28**

**o/p: 28 is a perfect number**

Perfect number: if the sum of all factors of a Number is equals to number itself then It is a perfect number.

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

## While Loop based Programming

Q23

Perfect Number:

<https://leetcode.com/problems/perfect-number/description/>

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

## While Loop based Programming

Q24

Three Divisors:

Three Divisors - LeetCode



## While Loop based Programming

Q25

Common Factor:

<https://leetcode.com/problems/number-of-common-factors/description/>

## While Loop based Programming

Q26

K-th Factor of n:

<https://leetcode.com/problems/the-kth-factor-of-n/>