

Important Questions

CSA0830 - Python Programming for Business Analysts

① leap year or not

② Sum of Series

~~$1+2+3 \dots n$~~

~~$1+2+3 \dots n$~~

$1^2+2^2+3^2 \dots n^2$

③ Factorial n number

Series $\rightarrow 1!+2!+3! \dots n!$

④ Pattern

1

1 2

1 2 3

1 2 3 4

*

* *

* * *

+

+

+

+

+

⑤ Fibonacci Series

0 1 1 2 3

\rightarrow Sum of fibonacci series

\rightarrow nth fibonacci number

⑥ Matrix

Addition, (sum of rows, column, diagonal)
Subtraction
multiplication

⑦ list

Sorting

max and min

Searching

reverse the list

length of list

Number of occurrences

merge

insert element in list

⑧ string

vowels

consonants

Substring

Uppercase

Lowercase, reverse string

palindrome

⑨ Number

Armstrong number

Perfect number

Harshad number

Happy number, Tech number

prime number

Reverse number, palindrome

⑩ Simple calculator

Arithmetic operations

⑪ simple interest

compound interest

⑫ Area of circle

Area of triangle

⑬ even or odd in list

Count positive or negative in list

⑭ Decimal to Binary

Binary to decimal

⑮ student grade

⑯ LSP and MSP

⑰ Permutations

Note: Function

18) Array

Find element in Array
no of composite, prime numbers

19) Dictionary

20) swap

21) multiplication table

(10) simple calculator
arithmetic operations

(11) simple interest
compound interest

(12) area of circle
area of triangle

(13) even odd no. in list
count positive, negative in list

(14) convert to binary
convert to decimal

(15) stock market

(16) Feb and Mar

(17) permutations

Note: Function