

TOPIC

Computers – Section IV – Question 7

QUESTION

Given the following algorithm

```
INPUT X, N
SUM = 1
FOR I = 2 TO N
SUM = SUM + X^I/N
NEXT I
PRINT SUM
```

The value of SUM that will be printed at the end of the loop is

- (A) $X + \frac{X^2}{2!} + \frac{X^3}{3!} + \dots + \frac{X^N}{4!}$
- (B) $\frac{X^2}{2} + \frac{X^3}{3} + \dots + \frac{X^N}{4}$
- (C) $\frac{X^2}{N} + \frac{X^3}{N} + \dots + \frac{X^N}{N}$
- (D) $1 + \frac{X^2}{N} + \frac{X^3}{N} + \dots + \frac{X^N}{N}$

CONTRIBUTOR

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