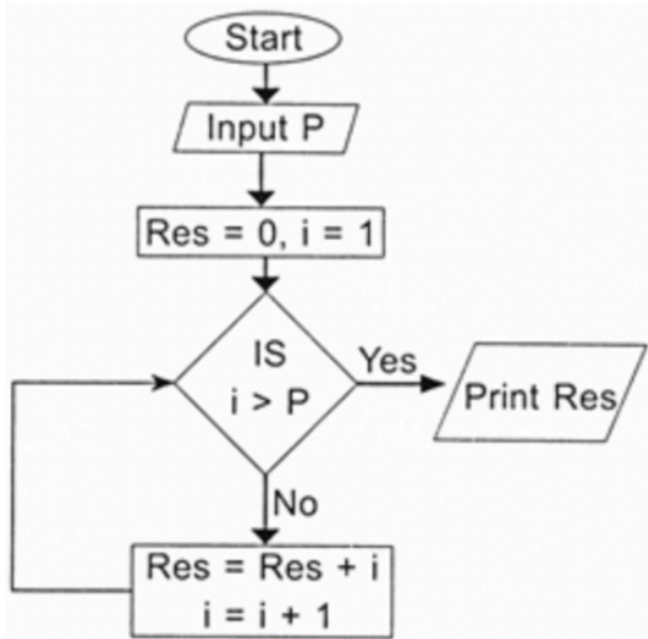
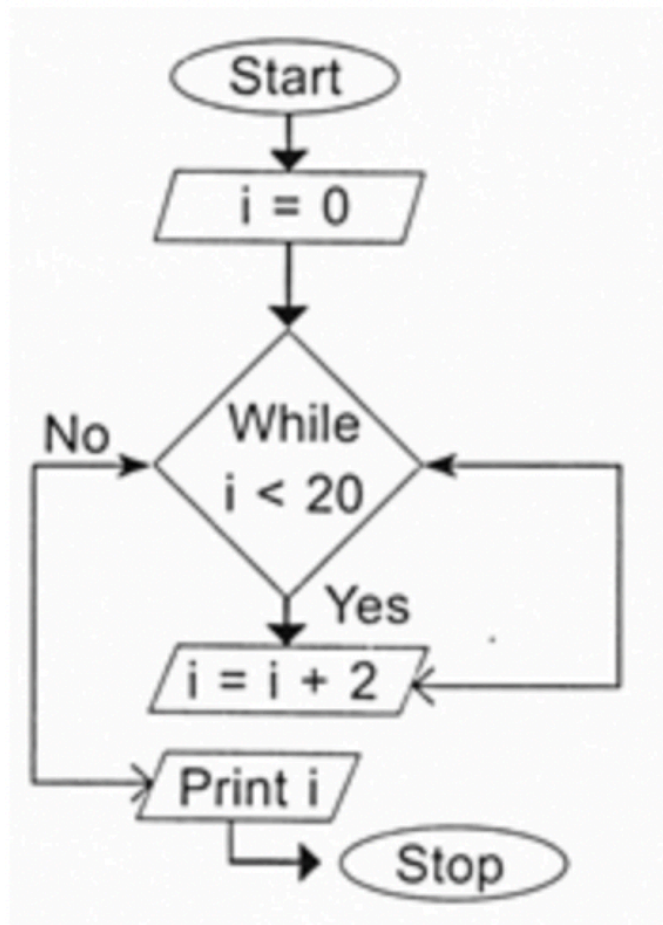


***** ASSIGNMENT START *****

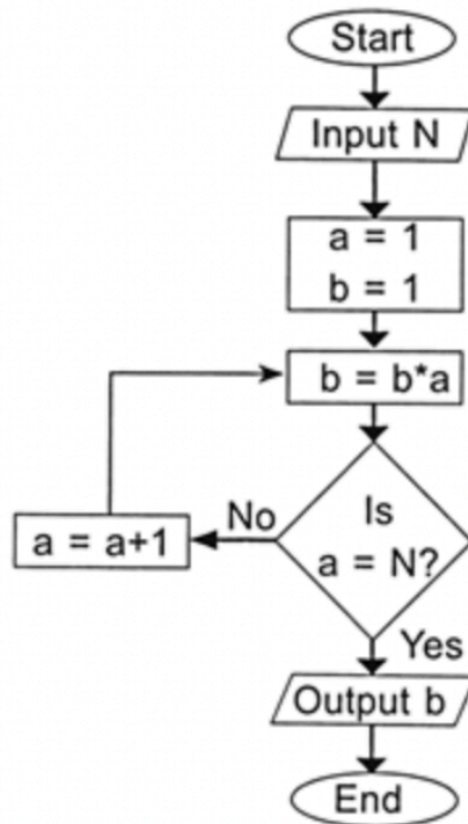
Q1)What is the output when the input value P is 10? Please show the detailed calculation on paper.



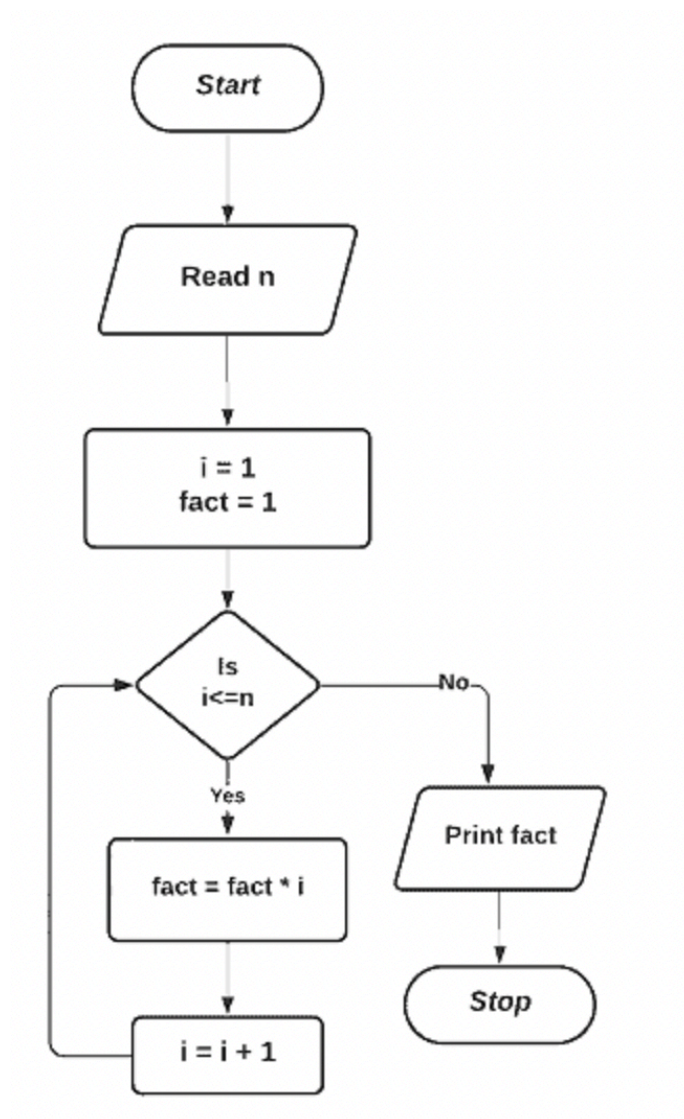
Q2) Predict the output of the given flowchart, Please show the detailed calculation on paper.



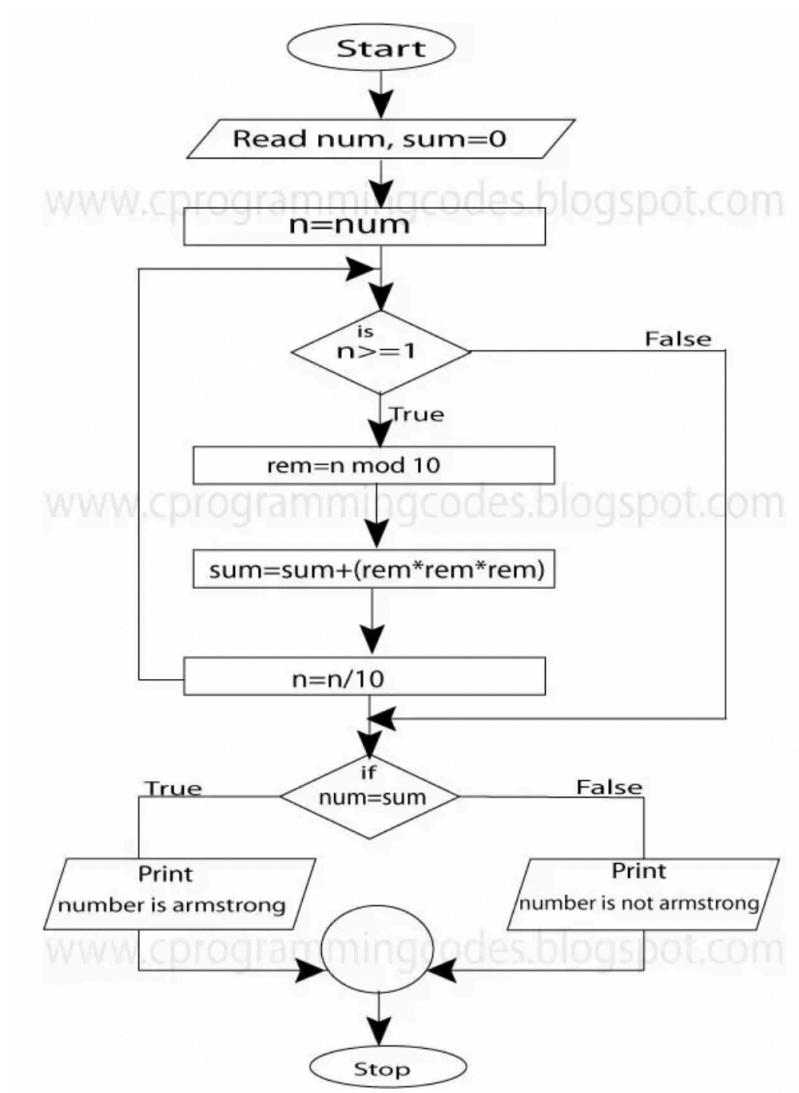
Q3) if $N=5$, then the output generated by the following flowchart is ____? [Please show the detailed calculation on paper.]



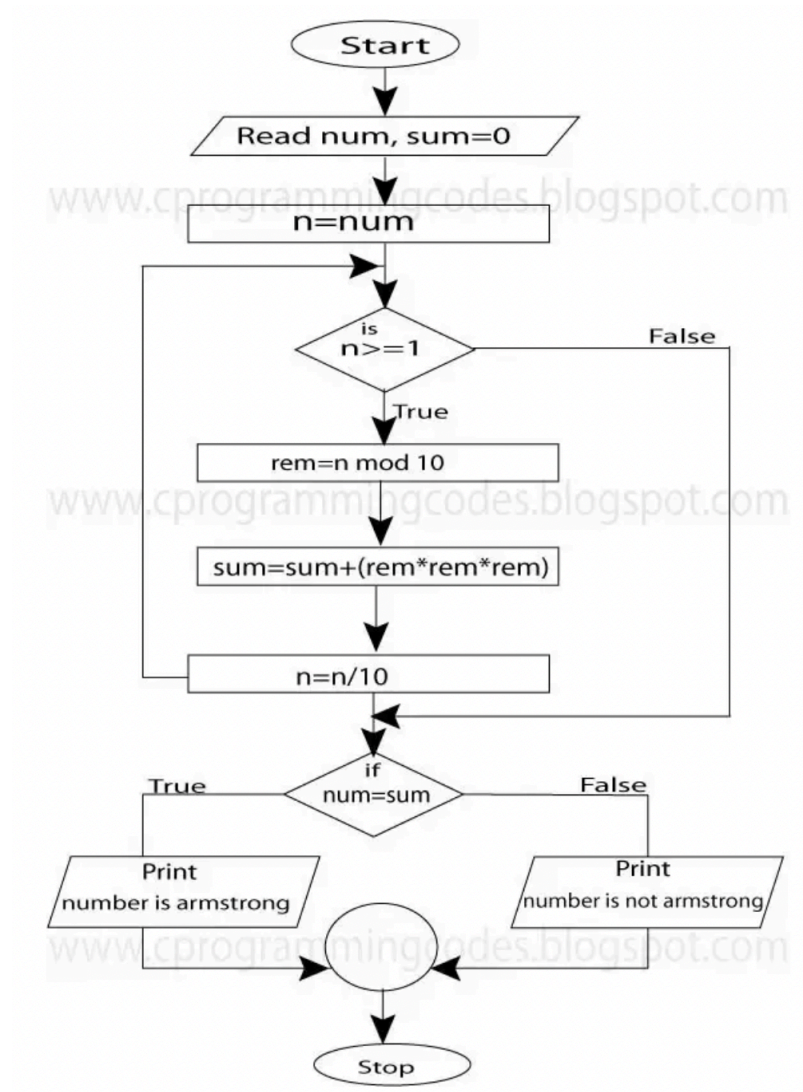
Q4) If $n=5$, then what is the output of the flowchart ____? [Please show the detailed calculation on paper.]



Q5) What is the output of the following flowchart if the num value is 371___ [Please show the detailed calculation on paper.]



Q6) What is the output of the following flowchart if the num value is 370___ [Please show the detailed calculation on paper.]

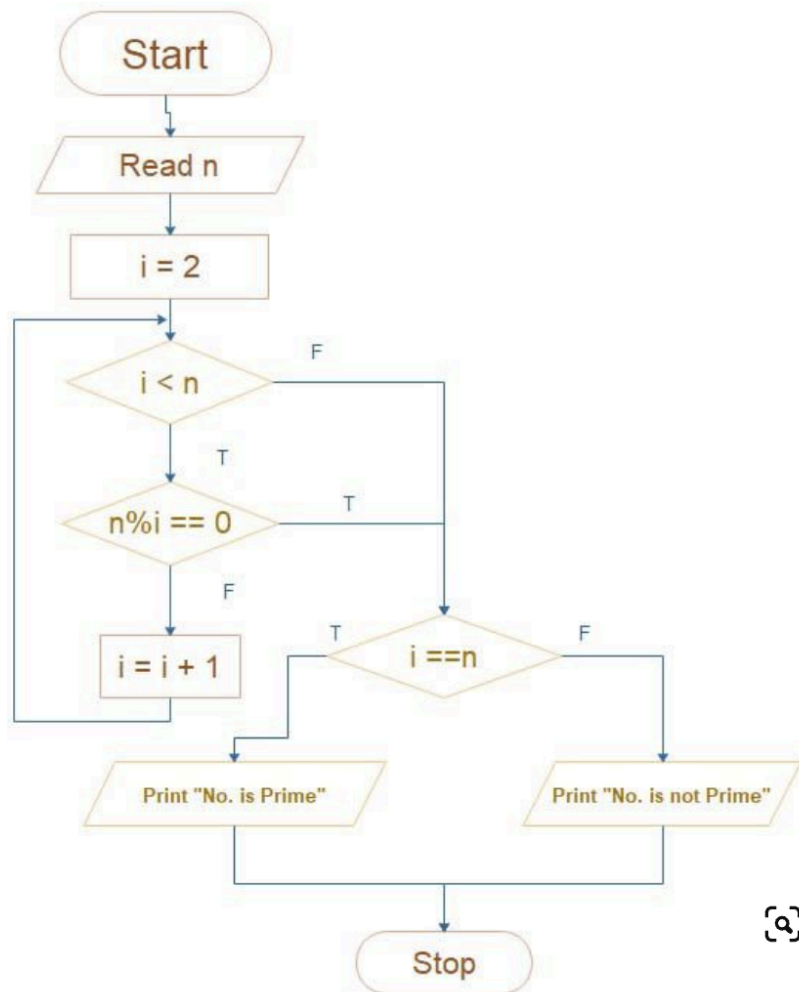


Q7) What is the output of the following flowchart if $n=23$ ____? [Please show the detailed calculation on paper.]

In the below flowchart

T: means True (or) Yes

F: means False (or) No



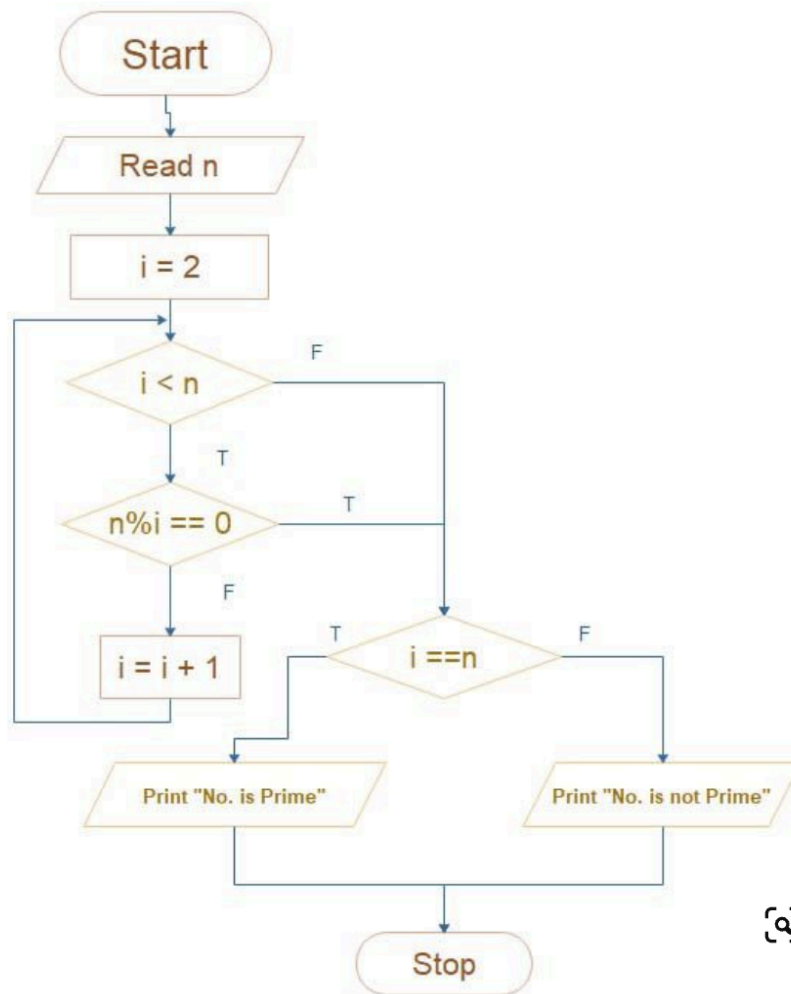
[9]

Q8) What is the output of the following flowchart if $n=16$ ____? [Please show the detailed calculation on paper.]

In the below flowchart

T: means True (or) Yes

F: means False (or) No



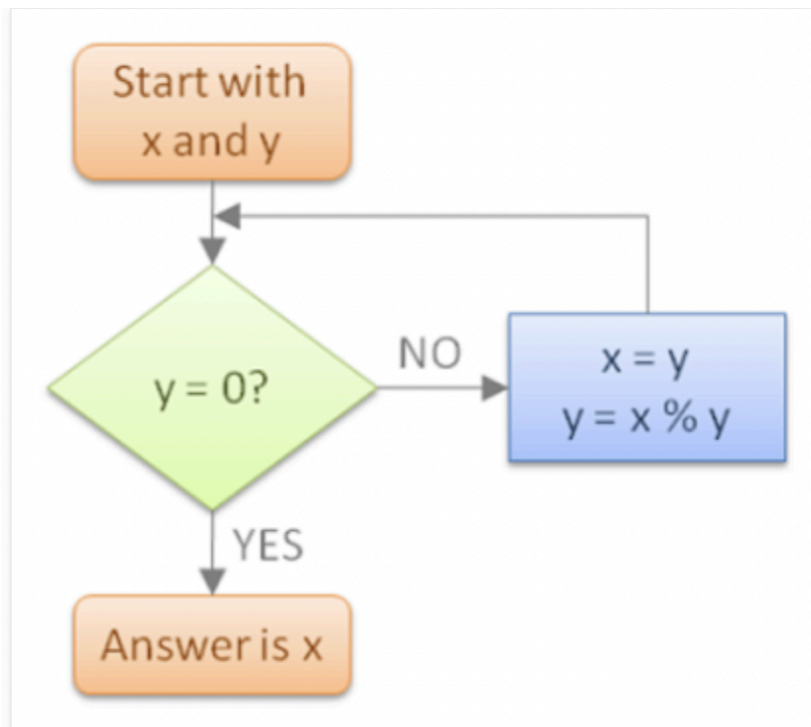
Q9) What is the output of the following flowchart if X and Y values are 60 and 36 respectively [Please show the detailed calculation on paper.]

Note:- % symbol in the below flowchart gives a reminder

For example :

$12\%5 = 2$ [that means when you divide 12 by 5 it gives a reminder as 2]

$12\%6=0$



Q10) Create a flowchart for checking given number is perfect number or not?

Definition of a Perfect Number: A perfect number is a positive integer that is equal to the sum of its proper divisors, excluding itself. In other words, a number n is perfect if the sum of all its positive divisors, other than n , equals n .

Example:

- The number 6 is a perfect number because its divisors (excluding itself) are 1, 2, and 3, and $1+2+3=6$ + $2 + 3 = 6$ $1+2+3=6$.
- Another example is the number 28. Its divisors (excluding itself) are 1, 2, 4, 7, and 14, and $1+2+4+7+14=28$ + $2 + 4 + 7 + 14 = 28$ $1+2+4+7+14=28$.

Draw the flowchart on the paper and show the calculation.

***** **ASSIGNMENT END** *****