

The background features a dark blue gradient with faint, light blue geometric patterns. On the left side, there are several concentric circles and arcs, some with degree markings ranging from 40 to 260. Arrows indicate a clockwise direction of movement. The overall aesthetic is technical and modern.

FUNDAMENTALS OF PROGRAMMING

PART X

CONTENTS

- Looping Example with Flowchart
- Quiz
- Assignment

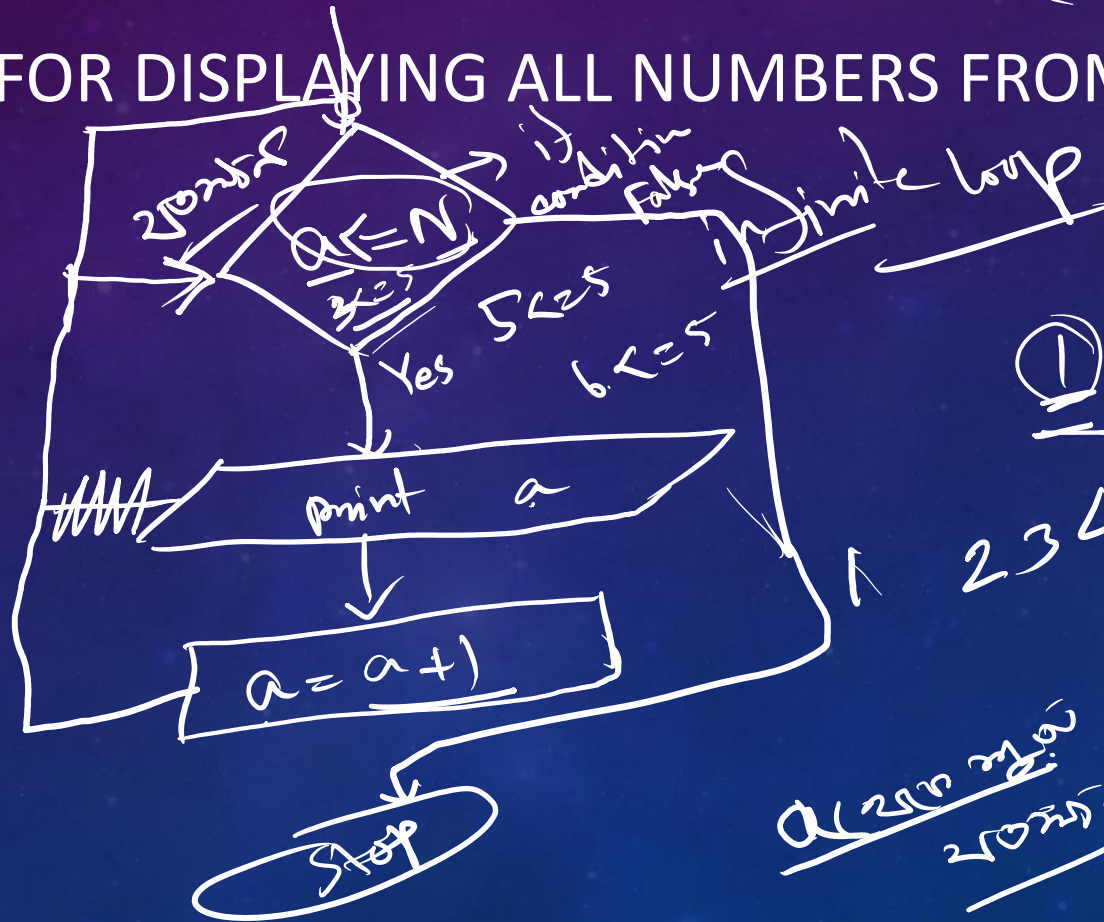
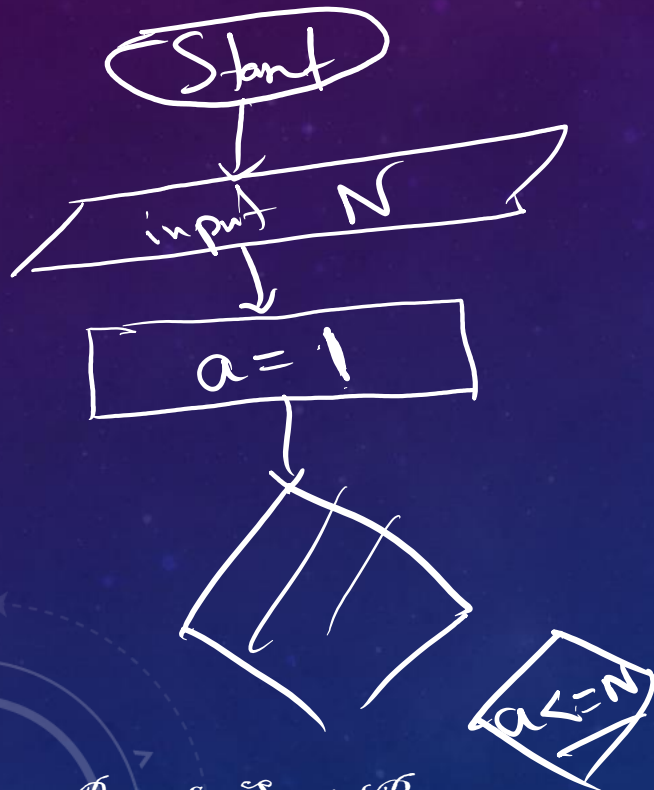


EXAMPLE 1 : FLOWCHART

WRITE A PROGRAM FOR DISPLAYING ALL NUMBERS FROM 1 TO N

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WRITE A PROGRAM FOR DISPLAYING ALL NUMBERS FROM 1 TO N



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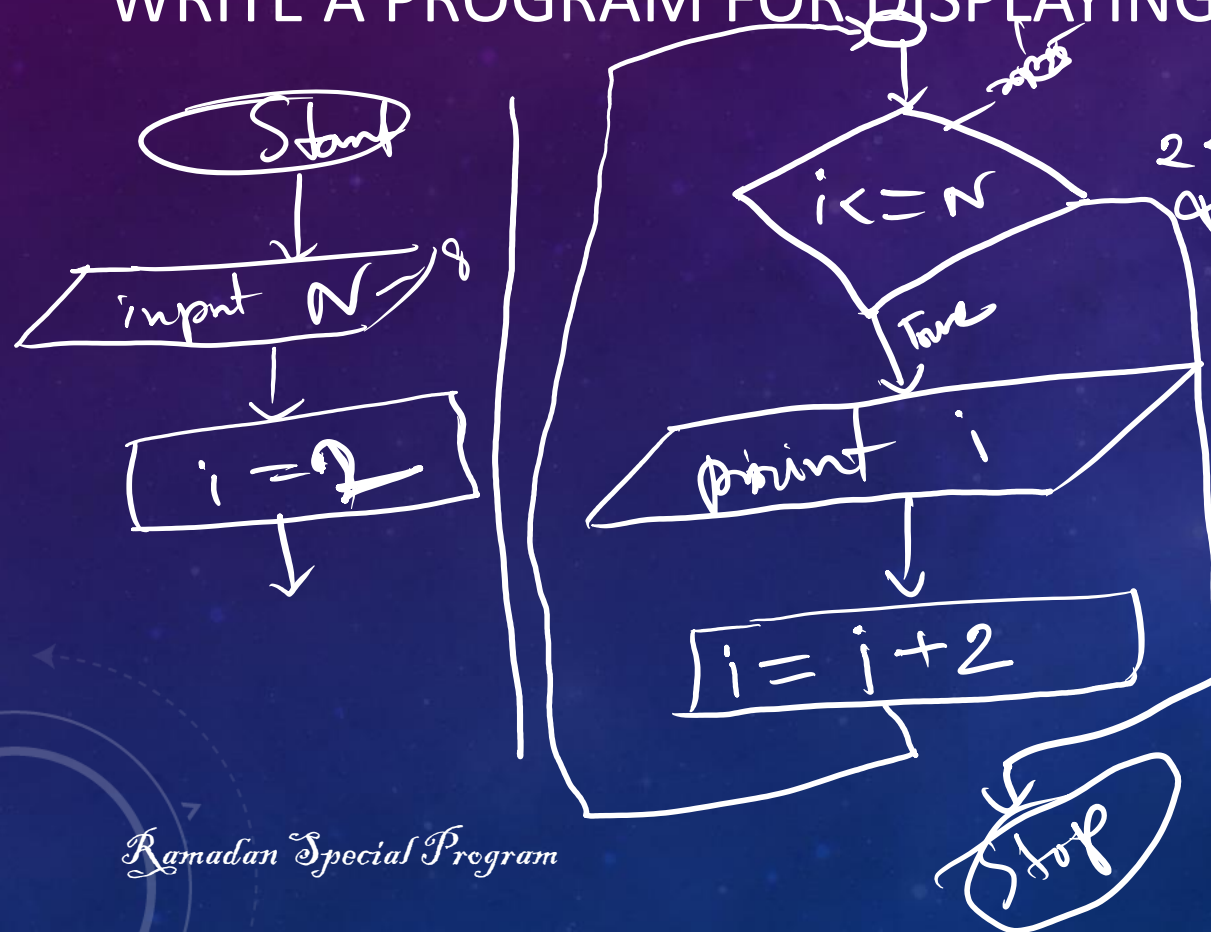
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EXAMPLE 2 : FLOWCHART

WRITE A PROGRAM FOR DISPLAYING EVEN NUMBERS FROM 2 TO N

EXAMPLE 2 : FLOWCHART

WRITE A PROGRAM FOR DISPLAYING EVEN NUMBERS FROM 1 TO N



$$N=7$$
$$1+2+3+4+5+6+7$$

$$N=5$$

$$1+2+3+4+5$$

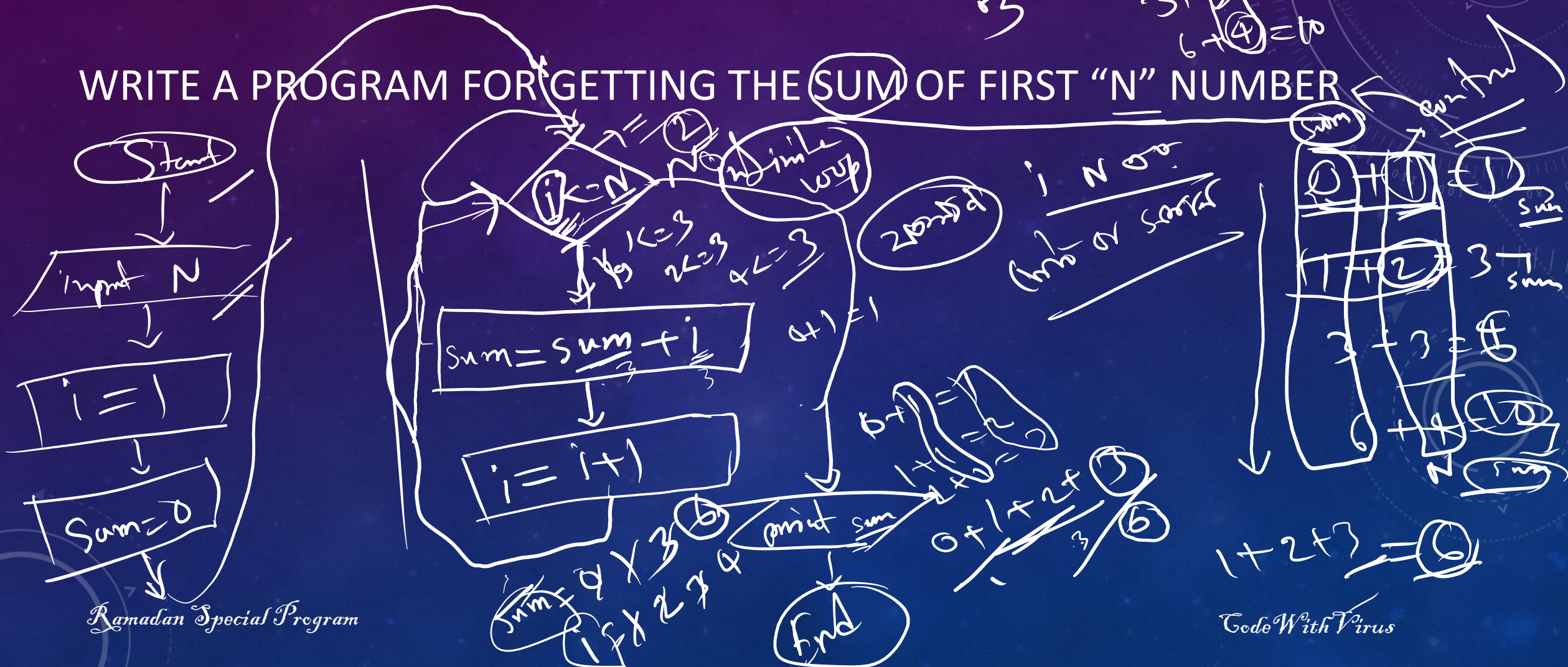
EXAMPLE 3 : FLOWCHART

WRITE A PROGRAM FOR GETTING THE SUM OF FIRST "N" NUMBER

Handwritten notes and diagrams illustrating the calculation of the sum of the first 5 natural numbers:

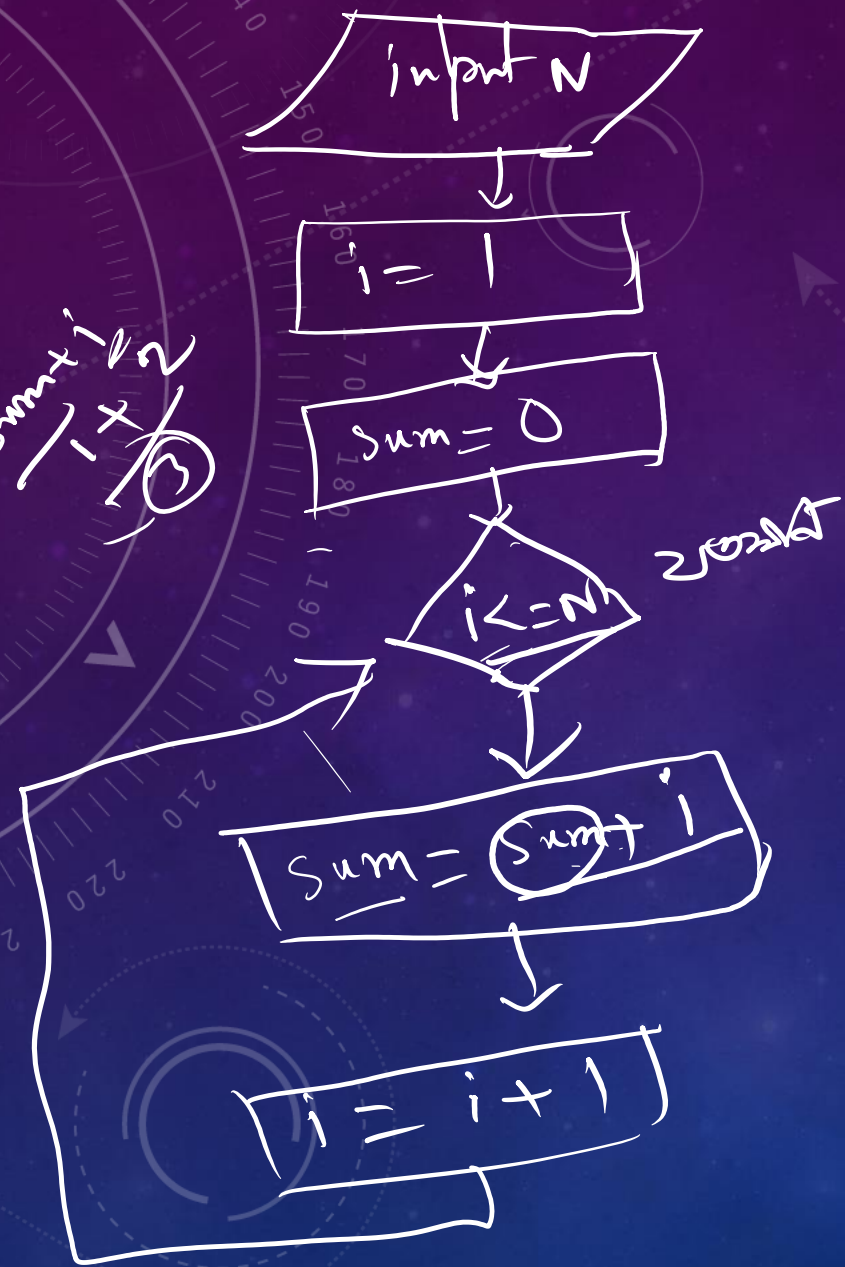
- Sequence of numbers: $1 + 2 + 3 + 4 + 5$
- Box labeled "Sum" containing the result: 15
- Flowchart showing the iterative addition process:
 - $1 + 2 = 3$
 - $3 + 3 = 6$
 - $6 + 4 = 10$
 - $10 + 5 = 15$

WRITE A PROGRAM FOR GETTING THE (SUM) OF FIRST "N" NUMBER



$i = i \times 2$
 $sum = 0 \times 3$
 $sum = i$
 $i = N(4)$

$sum = i$
 1×2
 (3)



$sum = 0$
 $1 + 2 + 3 + 4$
 $i <= N$
 $0 + 1$
 $0 + 1$
 (1)
 sum

THE END

PART X