

EX NO: 1 (g)

DATE: 29.11.2022

WEIGHT OF STEEL ROD

AIM:

To draw flowchart and write algorithm for the given problem

ALGORITHM:

STEP1: Start

STEP2: Get the number of iron rod required as n

STEP3: Initialize $I = 0$ and total = 0

STEP4: Check if the value of I is less than n

4.1: If the condition is true get the diameter of the rod D

4.1.1: Calculate unit weight using formula $D^2/162$

4.1.2: Get number of rod with diameter D

4.1.3: Calculate weight of rod using formula no of rod * D * unit weight

4.1.4: Add the weight to total

4.1.5: increment value of I by 1

4.2: If condition is false ,display total as total weight of rod

STEP5: Stop

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