Ex. No. 1(f) **WHEIGHT OF MOTOR BIKE**

Date:29.11.2022

AIM:

To draw flowchart and write algorithm for the given problem

ALGORITHM:

Step1: Start

Step2: Get the gross vehicle weight rating of the particular vehicle in a variable GVWR

Step3: Get the dry weight of the vehicle in a variable DW

Step4: Get the fuel weight in variable FW

Step5: Get the rider weight in variable RW

Step6: Get passenger weight in variable PW

Step7: Calculate the total weight of the vehicle by adding all the weights

Step8: Get the load weight in variable load

Step9: Calculate the load weight of the vehicle by adding total weight with load

Step10: Now calculate the safe weight for the ride by subtracting the total vehicle weight from the gross Vehicle Weight Rating

Step11: Check the condition if the safe weight is greater than or equal to zero

11.1: If the condition is true then display YOU ARE APPRECIATED FOR SAFE LOAD HAPPY JOURNEY

11.2: If the condition is false then ask the rider to reduce the load by generating the message FOR SAFE JOURNEY REDUCE THE WEIGHT FOR BETTER SUSPENSION and go to Step8

STEP12: Stop

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PSEUDO CODE

START

GET the gross vehicle weight rating (GVWR)

GET the dry weight (DW)

GET the full weight (FW)

GET the rider weight (RW)

GET the passenger weight (PW)

CALCULATE total weight = DW + FW + RW + PW

GET LOAD

CALCULATE load weight = total weight + load

CALCULATE safe-weight = GVWR -load –weight

IF (safe-weight>=0)

THEN

PRINT " HAPPY JOURNEY"

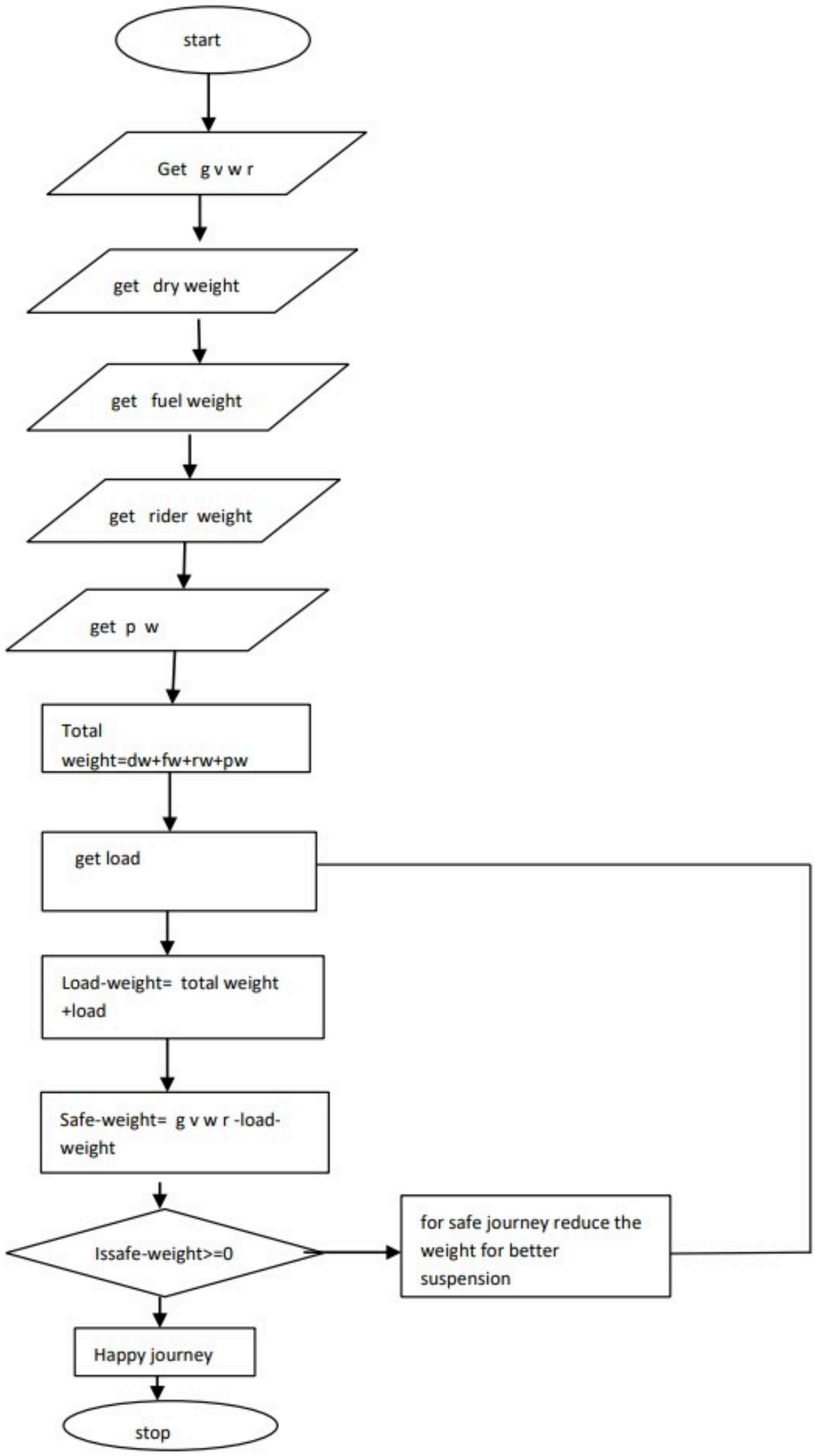
ELSE

PRINT " for safe journey reduce the weight for better suspension"

END IF

STOP

FLOW CHART:



RESULT:

Algorithm and flow chart is written for the given problem.

Roll No.:22CSEB25

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