HW / 01-03-2022 /

Q Write an algorithm or flow chart to determine a students final grade & indicate whether it is passing or failing.
The final grade is calculated as the avg of 4 marks phy, che, bio, Math.
Passing criteria = 40

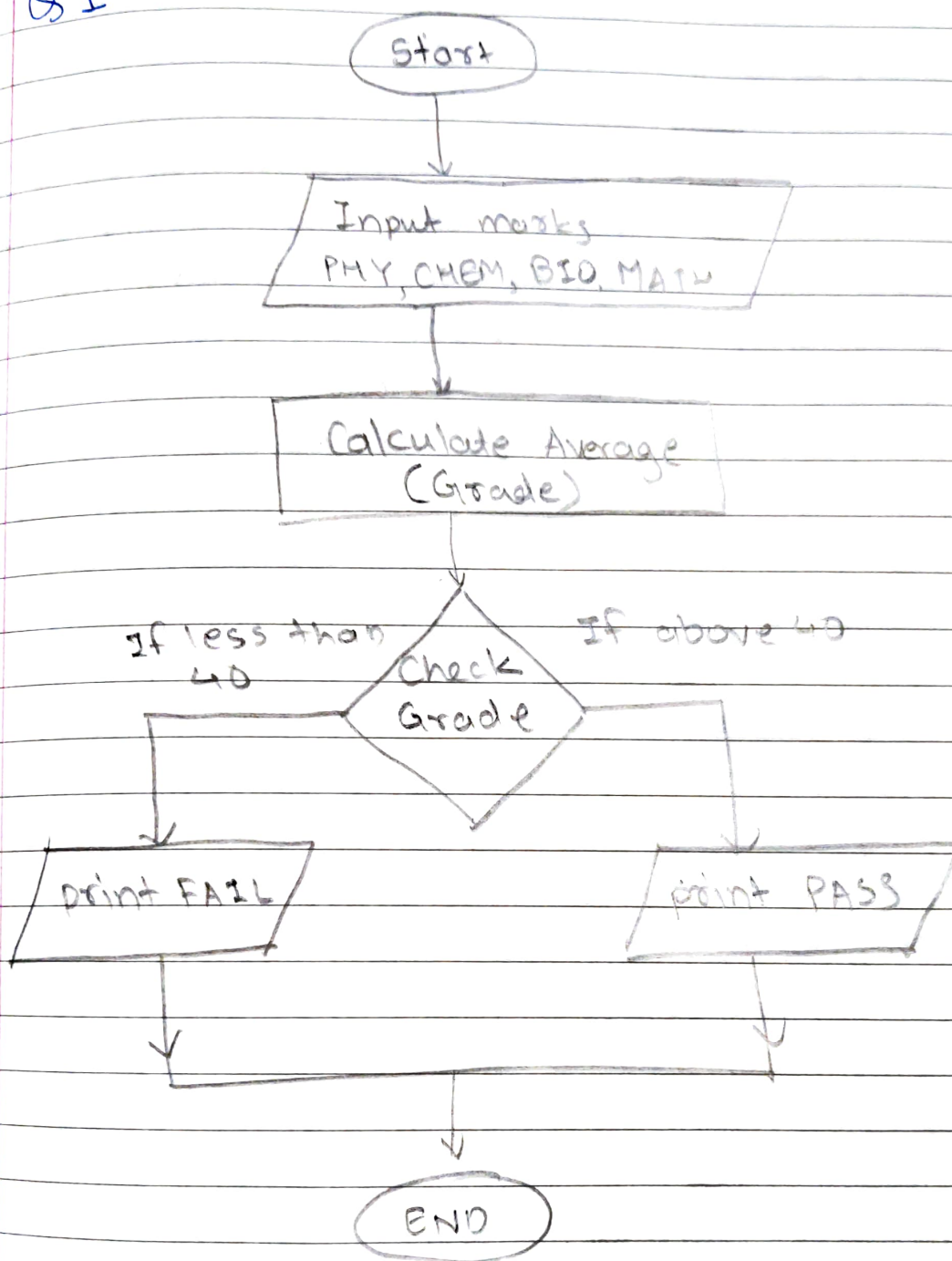Q Write an algo or flow chart to post a letter

Q Write a algo or flowchart to catch a school bus

Q Write an algo or flowchart for getting married.

Q Define class, data member & member function for soccer player

Q1

```
                    ( Start )
                        |
                        v
          +--------------------------+
         /  Input marks              /
        /  PHY, CHEM, BIO, MATH     /
       +--------------------------+
                        |
                        v
          +--------------------------+
          |  Calculate Average       |
          |  (Grade)                 |
          +--------------------------+
                        |
                        v
   If less than              If above 40
   40               < Check >
        +------------- Grade -------------+
        |                                 |
        v                                 v
  +-------------+                  +-------------+
 / print FAIL  /                  / print PASS  /
+-------------+                  +-------------+
        |                                 |
        v                                 v
        +------------+    +---------------+
                     |    |
                     v
                  ( END )
```

Q 2
Step 1 :-	Start
Step 2 :-	Open email application
Step 3 :-	Log into email account
Step 4 :-	Click on compose or open new
Step 5 :-	Add recipient's email id
Step 6 :-	Add cc/BCC if required
Step 7 :-	Add Subject
Step 8 :-	Add body of email
Step 9 :-	Click on send
Step 10 :-	End

Q 3
Step 1 :-	Start
Step 2 :-	Get ready for school (Preparations)
Step 3 :-	Gather required material
Step 4 :-	Walk to the location where school bus arrives
Step 5 :-	Get in school bus once arrived
Step 6 :-	End

Q.4 Step 1 :- Start

Step 2 :- Register on matrimonial site

Step 3 :- Fill in the biodata

Step 4 :- Shortlist candidates as per requirem...

Step 5 :- Contact selected brides or groom...

Step 6 :- Setup meetings

Step 7 :- After meeting convey your reason...

Step 8 :- After approval from both the
          parties setup a meeting.

Step 9 :- Select dates for all the marriage
          ceremonies

Step 10 :- Work out the finances

Step 11 :- Conduct the ceremonies

Step 12 :- End

Q.5 class   soccerPlayer

Data member	Name	Position
	Height	
	Age	
	Weight	
	Goals	
	Country	

Member   avgGoalsPerSeason ()
function   totalGoals ()
              avgGoalsSaved ()
              totalWins ()