Write pseudo-code and draw flow chart. Ask a user to enter exam scores for five different

courses and determine whether the student is passing or failing the course. Calculate the

average score, the number of failed courses, and the number of passed courses. To confirm your

solution, trace through the designed flowchart and pseudo-code by using the following test case:

88, 65, 45, 23, 77.  
  
  
**PSEUDOCODE:**

Start

Input marks of course 1

Input marks of course 2

Input marks of course 3

Input marks of course 4

Input marks of course 5

Number of courses=5

number of courses passed=0

number of courses failed=0

Sum=0

If marks of course 1>=50 then

Print pass

Number of courses passed=number of courses passed+1

Else  
print fail

Number of courses failed=number of courses failed+1  
end if   
If marks of course 2>=50 then

Print pass

Number of courses passed=number of courses passed+1

Else  
print fail

Number of courses failed=number of courses failed+1  
end if

If marks of course 3>=50 then

Print pass

Number of courses passed=number of courses passed+1

Else  
print fail

Number of courses failed=number of courses failed+1  
end if

If marks of course 4>=50 then

Print pass

Number of courses passed=number of courses passed+1

Else  
print fail

Number of courses failed=number of courses failed+1  
end if

If marks of course 5>=50 then

Print pass

Number of courses passed=number of courses passed+1

Else  
print fail

Number of courses failed=number of courses failed+1  
end if

Sum= marks of course 1+marks of course 2+marks of course 3+marks of course 4+marks of course 5

Average score=sum /number of courses

Print “average course”, average course

Print “number of courses passed”, number of courses passed

Print “number of courses failed”, number of courses failed  
Stop

A diagram of a flowchart

AI-generated content may be incorrect.  
**FLOWCHART:**