```
Start

    Initialize totalscore = 0

    Initialize passcount = 0

    Initialize failcount = 0

    For i = 1 to 5 do

        Print "Enter score for course: " + i

        Input score

        totalscore = totalscore + score

        If score >= 50 then

            passcount = passcount + 1

        Else

            failcount = failcount + 1

        End If

    End For


    averagescore = totalscore / 5


    Output "Average Score: " + averagescore

    Output "Number of Passed Courses: " + passcount

    Output "Number of Failed Courses: " + failcount


    If failcount > 0 then

        Output "The student has failed in some courses."

    Else

        Output "The student has passed all courses."

    End If

End
```

```
                    ┌─────────────┐
                    │    START    │
                    └──────┬──────┘
                           │
                    ┌──────▼──────┐
                    │  passcount=0 │
                    │  failcount=0 │
                    │ totalscore=0 │
                    │     i=1      │
                    └──────┬──────┘
                           │
                    ┌──────▼──────┐
                    │    print    │
                    │("Enter course│
                    │   score: ") │
                    └──────┬──────┘
                           │
                    ┌──────▼──────┐
                    │    Input    │
                    │ coursescore │
                    └──────┬──────┘
                           │
                    ┌──────▼──────┐
                    │totalscore=totalscore│
                    │ +coursescore│
                    └──────┬──────┘
                           │
```

- START
- passcount=0, failcount=0, totalscore=0, i=1
- print ("Enter course score: ")
- Input coursescore
- totalscore=totalscore +coursescore
- is coursescore >=50?
  - FALSE → failcount=failcount+1
  - TRUE → passcount=passcount+1
- i=i+1
- is i<=5?
  - TRUE (loops back to print)
  - FALSE → averagescore = totalscore/5
- print passcount, failcount, averagescore
- END