Algorithm To print the grade obtained by a student:-

Step 1:-Start Gradeofstudent

Step 2:-Take input, of marks of student in 5 subjects i.e., s1,s2,s3,s4,s5

Step 3:-Calculate the sum i.e., sum=s1+s2+s3+s4+s5

Step 4:-Calculate the percentage of student marks i.e, ((sum)/500)*100

Step 5:-if percentage>=90

      Print "Grade A++"

Step 6:-else if 80<=percentage<=90

      Print "Grade A+"

Step 7:-else if 70<=percentage<=80

      Print "Grade A"

Step 8:-else if 60<=percentage<=70

      Print "Grade B"

Step 9:-else if 50<=percentage<=60

      Print "Grade C

Step 10:-else if 40<=percentage<=50

      Print "Grade D"

Step 11:-else

      Print "Fail"

Step 12:- End Gradeofstudent