Create ﬂowcharts for the following problems:

1.Calculate the average of three numbers. If average is greater than or equal to 75, print "Pass", else print "Fail".

Input a,b,c

If((a+b+c/3)>75)

False

True

Print(Fail)

Print(PASS)

2.Calculate and print the factorial of a number

start

Fact <- 1, num<- 0

Read num

Is num>1

Print fact

Fact<-Fact\*num

NUm<-Num-1

stop

.3.Accept the lengths of three sides of a triangle as input from the user. Based on the input, print if the given triangle is "Equilateral", "Isosceles" or "Scalene".

Input A,B,C as sides of a triangle

A = B = C ?

NO

A = B ? or B = C ?

yes

Triangle is Equilateral

NO

Yes

Triangle is Isosceles

Triangle is Scalene

4.Accept the values of principal amount, rate of interest and number of years as an input from the user. Calculate and print the simple interest.Hint - Formula for simple interest:Simple Interest = (principal amount \* rate of interest \* number of years)/100

Input P,R,N

End

Print(PRN/100)

Start