1. Input a year and find whether it is a leap year or not.
   Sol^{n}:
   Steps:
   I. Start
   II. I/P Year
   III. If year%4==0
      A. If year%100==0
         1. If year%400==0
         2. O/P “Leap year”
         3. Else O/P “not a leap year”
      B. Else O/P “Leap year
   IV. Else O/P “Not a leap year”
   V. Stop

2. Take two numbers and print the sum of both.
   Sol^{n}:
   Steps:
   I. Start
   II. I/P: num1,num2
   III. Sum=nm1+num2
   IV. O/P: sum
   V. Stop

3. Take a number as input and print the multiplication table for it.
   Sol^{n}:
   Steps:
   I. Start
   II. I/P: num
   III. i=1
   IV. O/P:num*i
   V. If i==10
      A. Stop
   VI. Else
      A. i=i+1
      B. Repeat step IV onwards

4. Take 2 numbers as inputs and find their HCF and LCM.
   Sol^{n}:
   Steps:
   I. Start
   II. I/P:num1,num2
   III. a=num1, b=num2
   IV. If a==0 then HCF=b
   Else if b==0 then HCF=a
   Else if a==b then HCF=a
   Else if a<b then b=b-a repeat step IV
   Else a=a-b repeat step IV
   V. If a==0 || b==0
      A. If a==0 && b==0 then HCF and LCM not Defined
      B. Else O/P HCF and LCM not Defined
   VI. Else O/P: LCM and HCF
   VII. Stop

5. Keep taking numbers as inputs till the user enters x, after that print sum of all.
   Sol^{n}:
   Steps:
   I. Start
   II. Sum=0
   III. I/P=num
   IV. If num==x
   O/P: Sum
   V. Else sum=sum+num
   Repeat step III
   VI. Stop