Q1. Input a year and find whether it is a leap year or not?

Solution :

-->Pseducode

start:

input : year

if year % 4==0 :

if year % 100 ==0 :

if year % 400 ==0 :

print "yes"

else : print "no"

else : print "yes"

else : print "no"

exit

-->Flow chart

Input year

Year%4=0

Print “no”

false

Print “no”

false

Print “yes”

false

true

Print “yes”

Year%400=0

true

Year%100=0

true

Q2. Take two numbers and print the sum of both.?

Solution :

-->Pseducode

start:

input : a

input : b

sum = a+b

print sum

exit

-->Flow chart

Start

stop

Print sum

Sum = a+b

Input a,b

Q3. Take a number as input and print the multiplication table for it?

Solution :

-->Pseducode

start:

input : a

for x=1 till x>10, x++ :

print (x\*a)

exit

-->Flow Chart

stop

false

true

Print a\*X

X++

X<=10

X=1

Input a

Start

Q4. Take 2 numbers as inputs and find their HCF and LCM.?

Solution :

-->Pseducode

start:

input : a, b

min : (a,b)

for x=1 till x>min:

if a%x=0 and b%x=0: hcf=x

x++

lcm = (a\*b)/hcf

print lcm and hcf

exit

-->Flow Chart

start

Print lcm, hcf

stop

false

lcm =(a\*b)/hcf

false

x++

hcf = x

hcf = x

true

a%x=0 and b%x=0

true

X<=min

min=(a,b) , hcf=1, x=1

Input a,b

Q5. Keep taking numbers as inputs till the user enters ‘x’, after that print sum of all.?

Solution :

-->Pseducode

start:

char ch

do:

input : ch

while ch!=’x’ or ‘X’

exit

-->Flow Chart

stop

false

true

ch!=’x’ or ‘X’

1=

Input ch

start