```
cls
clg
print "Corona Virus(COVID-19) Possibility Data Generator"
print "Developed By MD. Asaduzzaman Aminur "
print "Project : https://github.com/Aminur670/COVID-19"
print "email :aminur670601@gmail.com"
print "-------------------------------------------------------------------------"
print "Note : The Algorithm used in this Program and The Generated Data Table,is not "
print "related to any real statistics or co-incidence.It's only for education purpose."

print "And all data rates are changeable anytime.Any Even There is and MIT Licence"
print " included, any comercial/business/personal use without"
print "developer's Legal permission is not allowed."

print "-------------------------------------------------------------------------"
print "### Sample Data for Infection Spreading Rate Analysis"

print
print "Starting from 3 April - 5 Infected | rate : 0.73 - 1.00"
print "Possiblity Calculated for 87 days from 3 April"
print
print "Day   Date   Infected"
print "------------------------------"
print "1    3   5"
print "2    4   9"
print "3    5   18 "
print "4    6   35"
print

print
print
print "------------ Rate Calculation -------------"
totalRate= 0
rate=0
dim inf(10) fill 0
#for i=1 to 4 step 1
 #input "Day"+i+" Infected :  ",inf[i]
#next i
#
inf[1]=5
inf[2]=9
inf[3]=18
inf[4]=35

for i=1 to 4 step 1
 totalRate+= inf[i+1]/inf[i]
next i

rate = (totalRate/i)*.77
print
print "Infected Rate/Day:   "+ rate
print
print
print "------------ Data Table Calculation -------------"
print
print "Keep Count Days same as End Day to get full table to end days"

#Input "Start Day :     ",stDay
print "Start Day :      3"
```

```
stDay=3

#input "Start Infected :    ",stInf
print "Start Infected : 5"
stInf=5

#Input "End Day :       ",enDay
print"End Day :     91"
#enDay=92
enDay=61
#enDay=30

#Input "Count Days :        ",countDays
print "Count Days : 91"
countDays = enDay #90

print

date=stInf
print
print
print "--------------------         Data Table         ----------------------"
print
print "-------------------------------------------------------------------------"
print  "Day |Date       |Infected       |Total"
print "-------------------------------------------------------------------------"

totalInfected = 0
infDay=5
date=stDay
monthName= "April, 2020"
april = 1

x=5
y=135

color yellow
rect 0,graphheight/2,graphwidth,graphheight

xt=5

yt=graphheight-15
color red
rect 0,0,graphwidth,graphheight/2


#Daily Infected
color yellow
line x,y,graphwidth-5,y
line x,y,x,2

#Daily Infected
color red
line xt,yt,graphwidth-5,yt
line xt,yt,xt,yt-125


# Data Table Loop
```

```
for i=stDay to enDay step 1

     infDay=int(i*i*rate)-2
     totalInfected += infDay

if i>enDay - countDays then

     if i<31 and april=1 then

        april=0
        print
        print monthName
        print

    endif

     if i =31 then
        monthName= "May, 2020"
        date=1
        print "-------------------------------------------------------------------------"
        print
        print monthName
        print

    endif

     if i =62 then
        monthName= "June, 2020"
        date=1
        print "-------------------------------------------------------------------------"
        print
        print monthName
        print
        endif

     if i = 93 then
        monthName= "July, 2020"
        date=1
        print
        print monthName
        print
     endif

    print "Day:"+i +"   |"+ date+" "+monthName+"    |" + infDay +"      |"+  totalInfected


endif

penwidth 1

#Daily Infected
color yellow
line x,y-5,x,y-(infDay/70)-5
x+=3.2

#Daily Total
color blue
line xt,yt-5,xt,yt-(totalInfected/700)-5
xt+=3.2
```

```
date++

next i

color Yellow
font "Consolas",12,600
text 10,10,"Daily Infected "

color red
font "Consolas",12,600
text 10,160,"Daily Total Infected "
```