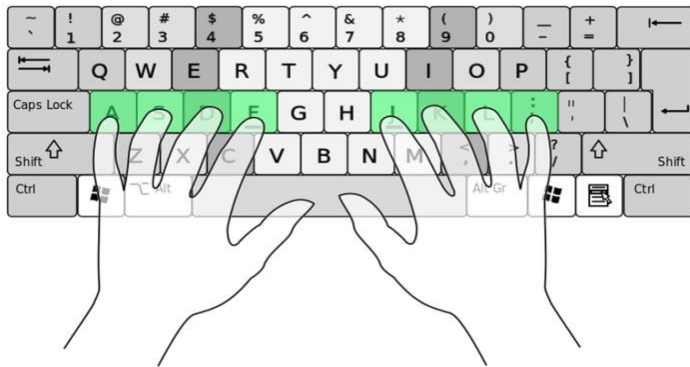


COMPUTER SCIENCE PROJECT



TYPING SPEED TEST



SUBMITTED BY:

ACKNOWLEDGEMENT

I wish to express my deep gratitude and sincere thanks to Principal, Mrs. PUSHAPAVENI AYYAPPAN for her encouragement and facilities that she provided for this project work. I sincerely appreciate this magnanimity by taking me into her fold for which I shall remain indebted to her.

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I take this opportunity to express my deep sense of gratitude for their invaluable guidance, constant encouragement, constructive comments, sympathetic attitude and immense motivation, which has sustained my efforts at all stages of this project work.



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CERTIFICATE

COMPUTER SCIENCE

Certified to be the bonafide project work done by
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year 2020-2021.

Submitted for All India Senior Secondary Practical
Examination held in the subject COMPUTER SCIENCE at
***Pushpalata Vidya Mandir Senior Secondary
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PRINCIPAL

EXTERNAL EXAMINER

DATE: _____

SEAL

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DESCRIPTION

The project that is done here is a typing speed test.

The main aim of the project is to measure the typing speed of a person. The project is broadly divided into three categories:

- (i) Sign In
- (ii) Login
- (iii) Practice

A new user will have to sign in before starting the typing speed test. The user can practice typing in the practice window before login or sign in. Any user can login next time after the first sign in. After sign in or login, the user has to read the instructions before starting the typing speed test.

The user can look at his previous attempts and the overall score based on the previous attempts

Thus, this project will be very helpful for any person to improve and master the art of typing.

SOURCE CODE

```
import random,sys,time,math,tkinter as tk

def det1():
    global b
    a.destroy()
    b=tk.Tk()
    b.geometry('750x750')
    b.title('Sign in')
    b.configure(bg='Yellow')
    l6=tk.Label(b,text='Welcome to Signup',font=('Verdana',20),bg='Yellow')
    l6.place(x=200,y=0)
    l7=tk.Label(b,text='Enter your name:',font=('Verdana',12),bg='Yellow')
    l7.place(x=0,y=40)
    l8=tk.Entry(width=30,font=('Verdana',12),textvariable='')
    l8.place(x=350,y=40)
    l9=tk.Label(b,text='Enter your
email(gmail/yahoo/outlook):',font=('Verdana',12),bg='Yellow')
    l9.place(x=0,y=80)
    l10=tk.Entry(width=30,font=('Verdana',12),textvariable='')
    l10.place(x=350,y=80)
    l11=tk.Label(b,text='Enter your phone no
:',font=('Verdana',12),bg='Yellow')
    l11.place(x=0,y=120)
    l12=tk.Entry(width=30,font=('Verdana',12),textvariable='')
    l12.place(x=350,y=120)
```

```

l13=tk.Label(b,text='Enter a password in
digits:',font=('Verdana',12),bg='Yellow')

l13.place(x=0,y=160)

l14=tk.Entry(width=30,font=('Verdana',12),show="*",textvariable="")

l14.place(x=350,y=160)

l15=tk.Label(b,text='Confirm the
password:',font=('Verdana',12),bg='Yellow')

l15.place(x=0,y=200)

l16=tk.Entry(width=30,font=('Verdana',12),show="*",textvariable="")

l16.place(x=350,y=200)

l17=tk.Button(b,text='SUBMIT',font=('Verdana',16),bg='Red')

l17.place(x=275,y=250)

l17['command']=lambda:det2(l14.get(),l16.get(),l8.get(),l10.get(),l12.get())

l20=tk.Button(b,text=' Back
',font=('Verdana',16),command=lambda:intropg(b),bg='Red')

l20.place(x=75,y=250)

l5=tk.Button(b,text=' Exit
',font=('Verdana',16),command=lambda:detd(b),bg=('Red'))

l5.place(x=425,y=250)
def det2(x,y,ina,ie,ip):
    global curemail
    f21=open("C:\\Users\\nathan\\Documents\\emsave.txt","r")
    rlines=f21.readlines()
    em2=('{}'.format(ie)+"\n"
    if em2 not in rlines:
        if ina!=" and ie!=" and ip!=" and x!=" and y!=" and
ip.isdigit()==True and len(str(ip))==10:
            if '@gmail.com' in ie or '@yahoo.com' in ie or '@outlook.com'in
ie:

```

```

if x==y:
    global c,newl
    em=('{'+''\n").format(ie)
    curemail=em.rstrip("\n")
    f2.write(em)
    f2.close()
    s=("Email:'{'',Password:{''\n").format(ie,x)
    f.write(s)
    b.destroy()
    c=tk.Tk()
    c.geometry('300x400')
    c.title('Welcome to the Test')
    c.configure(bg='Gold')
    l18=tk.Button(c,text='Start the
game',font=('Verdana',16),command=lambda:det5(c),bg='Orange')
    l18.place(x=75,y=50)
    l19=tk.Button(c,text='  Instruction
',font=('Verdana',16),command=det3,bg='Orange')
    l19.place(x=75,y=100)
    l20=tk.Button(c,text='  Back
',font=('Verdana',16),command=lambda:intropg(c),bg='Orange')
    l20.place(x=75,y=150)
    l5=tk.Button(c,text='  Exit
',font=('Verdana',16),command=lambda:detd(c),bg=('Orange'))
    l5.place(x=75,y=200)
    f.close()
else:
    lu=tk.Label(b,text='Signup
unsuccessful',font=('Verdana',16,'bold'),bg='Yellow')

```



```

lu.place(x=325,y=300)

lu1=tk.Label(b,text='Please Confirm password
corectly',font=('Verdana',16,'bold'),bg='Yellow')

lu1.place(x=250,y=345)

else:

    lu=tk.Label(b,text=' Invalid Email
',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=250,y=345)

    lu=tk.Label(b,text='Signup
unsuccessful',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=250,y=300)

else:

    lu=tk.Label(b,text='Signup
unsuccessful',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=325,y=300)

    lu=tk.Label(b,text='Please check mail
(or)',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=250,y=400)

    lu=tk.Label(b,text='Phone number
(or)',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=250,y=450)

    lu=tk.Label(b,text='Check whether everything is filled
correctly',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=150,y=500)

else:

    lu=tk.Label(b,text='Signup
unsuccessful',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=325,y=300)

    lu=tk.Label(b,text='Please check mail
(or)',font=('Verdana',16,'bold'),bg='Yellow')

    lu.place(x=250,y=400)

```

```

lu=tk.Label(b,text='Phone number
(or)',font=('Verdana',16,'bold'),bg='Yellow')

lu.place(x=250,y=450)

lu=tk.Label(b,text='Check whether everything is filled
correctly',font=('Verdana',16,'bold'),bg='Yellow')

lu.place(x=150,y=500)

def det3():

    global d

    d=tk.Tk()

    d.title('Instructions')

    d.geometry('1250x350')

    d.configure(bg='Gold')

    li1=tk.Label(d,text='Instructions',font=('Verdana',20),bg='Gold')

    li1.place(x=325,y=0)

    li2=tk.Label(d,text='1. A random sentence will be displayed on the screen
when you start the game .',font=('Verdana',12),bg='Gold')

    li2.place(x=0,y=50)

    li3=tk.Label(d,text='2. Under the sentence , a dialog box will appear in
which you must type the sentence above.',font=('Verdana',12),bg='Gold')

    li3.place(x=0,y=90)

    li4=tk.Label(d,text='3. When you finish and click on the submit button ,
your accuracy , wpm(words per minute)and the time you have taken will be
displayed.',font=('Verdana',12),bg='Gold')

    li4.place(x=0,y=130)

    li5=tk.Label(d,text='4. After finishing you can either exit or reset the game
again.',font=('Verdana',12),bg='Gold')

    li5.place(x=0,y=170)

    li5=tk.Label(d,text=' ALL THE BEST!!!!!!',font=('Verdana',12),bg='Gold')

    li5.place(x=350,y=210)

    li6=tk.Button(d,text='Back',font=('Verdana',16),command=det4,bg='Red')

```

```

li6.place(x=300,y=250)

l5=tk.Button(d,text=' Exit
',font=('Verdana',16),command=lambda:detd(d),bg=('Red'))

l5.place(x=400,y=250)

def det4():
    d.destroy()

def det5(w):
    w.destroy()

    global e,t1

    e=tk.Tk()

    e.title('Test')

    e.geometry('1000x500')

    e.configure(bg='Orange')

    t1=time.time()

    k=det6()

    string=k

    ch=len(string.split())

    l20=tk.Label(e,text=k,font=('Verdana',16),bg='Yellow')

    l20.place(x=315,y=130)

    l21=tk.Entry(e,width=40,font=('Verdana',16))

    l21.place(x=200,y=250)

l22=tk.Button(e,text='SUBMIT',command=lambda:det7(l21.get(),k),font=('Verd
ana',14),bg='Red')

l22.place(x=750,y=250)

def det6():

caps=['A','B','C','D','E','F','G','H','I','J','K','L','M','N','O','P','Q','R','S','T','U','V','W','X
','Y','Z']

```

```

lower=['a','b','c','d','e','f','g','h','i','j','k','l','m','n','o','p','q','r','s','t','u','v','w','x','y','z']

sym=['{','}','[',']',':',';','\"','\\','<','>','?']

capsmax=26

lowermax=26

symmax=11

seq=['1','2','3']

k=1

sent=""

dlist=[]

while k!=17:

    choice=random.choice(seq)

    if choice=='1':

        dlist.append(caps[random.randint(0,capsmax-1)])

    if choice=='2':

        dlist.append(lower[random.randint(0,lowermax-1)])

    if choice=='3':

        dlist.append(sym[random.randint(0,symmax-1)])

    k+=1

spacechoice=random.choice([3,4,5])

for m in range(spacechoice):

    pos=random.randint(1,len(dlist)-1)

    dlist.insert(pos,',')

for m in range(dlist.count(',')):

    n=dlist.index(',')

    dlist.insert(n,"")

    dlist.remove(',')

```

```

    for j in dlist:
        sent=sent+j
    return sent
def det7(u,q):
    f3=open("C:\\Users\\nathan\\Documents\\bestattempt.txt","a")
    len1=len(q)
    len2=len(u)
    count=0
    if len2>len1:
        for y in range(len1):
            if u[y]==q[y]:
                count+=1
        if len2>len1:
            count-=len2-len1
    else:
        for y in range(len2):
            if u[y]==q[y]:
                count+=1
    acc=(count/len1)*100
    t2=time.time()
    tt=round(t2-t1,2)
    cps=round(len2/tt,3)
    newl=[curemail]
    newl1=[acc,tt]
    newl.append(newl1)
    f3.write(str(newl)+"\n")

```

```

l23=tk.Label(e,text="Accuracy = %s
"%str(acc)+"%",font=('Verdana',12),bg='Orange')

l23.place(x=100,y=350)

l24=tk.Label(e,text="Time
taken=%s"%str(tt)+"s",font=('Verdana',12),bg='Orange')

l24.place(x=300,y=350)

l25=tk.Label(e,text="Characters per
sec=%s"%str(cps),font=('Verdana',12),bg='Orange')

l25.place(x=500,y=350)

l26=tk.Button(e,text=" Try again
",font=("Verdana",16),command=lambda:det8(e),bg="Blue",fg="Light Blue")

l26.place(x=250,y=400)

l27=tk.Button(e,text=" Exit
",font=('Verdana',16),command=detd1,bg="Blue",fg="Light Blue")

l27.place(x=500,y=400)

l28=tk.Button(e,text=" Back
",font=('Verdana',15),command=lambda:getback(e),bg="Blue",fg="Light Blue")

l28.place(x=400,y=400)

f3.close()

def det8(e):
    return det5(e)

def det9(temp1,temp2,f,g):
    global curemail
    alist=("Email:'{'},Password: {} \n").format(temp1,temp2)
    lines=f.readlines()
    if alist in lines:
        global win
        win=tk.Tk()
        win.title('Login success')

```

```

win.geometry('300x400')

win.configure(bg='Gold')

mail=('{'+''\n").format(temp1)

curemail=mail.rstrip("\n")

l20=tk.Button(win,text='  My attempts
',font=('Verdana',16),command=myattempts,bg='Orange')

l20.place(x=50,y=150)

l21=tk.Button(win,text='  Start game
',font=('Verdana',16),command=lambda:det5(win),bg='Orange')

l21.place(x=50,y=50)

l19=tk.Button(win,text='  Instruction
',font=('Verdana',16),command=det3,bg='Orange')

l19.place(x=50,y=100)

l20=tk.Button(win,text='  Back
',font=('Verdana',16),command=lambda:intropg(win),bg='Orange')

l20.place(x=50,y=250)

l5=tk.Button(win,text='  Exit
',font=('Verdana',16),command=lambda:detd(win),bg=('Orange'))

l5.place(x=50,y=300)

l6=tk.Button(win,text='  Your score
',font=('Verdana',16),command=score,bg=('Orange'))

l6.place(x=50,y=200)

f.close()

g.destroy()

else:

    global m1

    g.destroy()

    m1=tk.Tk()

    m1.geometry('650x500')

```

```

m1.title('Login error')

m1.configure(bg='Yellow')

lu=tk.Label(m1,text='Login
unsuccessful',font=('Verdana',16,'bold'),bg='Yellow')

lu.place(x=100,y=100)

lu2=tk.Button(m1,text='Relogin',font=('Verdana',16),command=lambda:relogin(
m1),bg='Red')

lu2.place(x=100,y=200)

l20=tk.Button(m1,text=' Back
',font=('Verdana',16),command=lambda:intropg(m1),bg='Red')

l20.place(x=225,y=200)

l5=tk.Button(m1,text=' Exit
',font=('Verdana',16),command=lambda:detd(m1),bg=('Red'))

l5.place(x=350,y=200)

def det10(a):
    a.destroy()
    g=tk.Tk()
    g.geometry('650x500')
    g.title('Log in')
    g.configure(bg='Yellow')
    ll=tk.Label(g,text='Welcome to Login',font=('Verdana',20),bg='Yellow')
    ll.place(x=200,y=0)
    email_var=tk.StringVar(g)
    passwd_var=tk.StringVar(g)
    f=open("C:\\Users\\nathan\\Documents\\signup.txt","r")
    l28=tk.Label(g,text='Enter your
email(gmail/yahoo/outlook):',font=('Verdana',12),bg='Yellow')
    l28.place(x=0,y=80)

```



```

l29=tk.Entry(width=25,font=('Verdana',12),textvariable=email_var)

l29.place(x=350,y=80)

l30=tk.Label(g,text='Enter a password in
digits:',font=('Verdana',12),bg='Yellow')

l30.place(x=0,y=160)

l31=tk.Entry(width=25,font=('Verdana',12),show="*",textvariable=passwd_var)

l31.place(x=350,y=160)

l32=tk.Button(g,text='SUBMIT',font=('Verdana',16),bg='Red',command=lambda
:det9(email_var.get(),passwd_var.get(),f,g))

l32.place(x=225,y=250)

l33=tk.Button(g,text='Back',font=('Verdana',16),bg='Red',command=lambda:int
ropg(g))

l33.place(x=75,y=250)

l5=tk.Button(g,text=' Exit
',font=('Verdana',16),command=lambda:detd(g),bg=('Red'))

l5.place(x=375,y=250)
def det11(k):
    global h
    k.destroy()
    h=tk.Tk()
    h.title('Second Test')
    h.geometry('1300x500')
    h.configure(bg='Orange')
    sent=[]

    s1=""The computer as we know it today had its beginning with a professor
name Charles Babbage.""

    sent.append(s1)

```

s2=""He designed the Analytical Engine which became the basic framework of the computers.""

sent.append(s2)

s3=""Since ancient times, simple manual devices like the abacus aided people in doing calculations.""

sent.append(s3)

s4=""Early computers were only conceived as calculating devices.""

sent.append(s4)

s5=""Conventionally, a modern computer consists of at least one processingelement, typically a CPU.""

sent.append(s5)

s6=""An application, or application program, is a software program that runs on your computer.""

sent.append(s6)

s7=""System software consists of programs that run in the background, enabling applications to run.""

sent.append(s7)

s8=""Applications are said to run on top of the system software, since it is made of "low-level" programs.""

sent.append(s8)

s9=""Computers are used at homes for several purposes like online bill payment, watching movies, etc.""

sent.append(s9)

s10=""Computers are used in hospitals to maintain a database of patients' history, diagnosis, and such.""

sent.append(s10)

s11=""Python was created by Guido van Rossum and first released in 1991.""

sent.append(s11)

s12=""Python was created in the late 1980s as a successor to the ABC language.""

```
sent.append(s12)

s13="Java is a class-based, object-oriented programming language."
sent.append(s13)

s14="Java was originally developed by James Gosling at Sun
Microsystems."
sent.append(s14)

s15="Hub is a small network device."
sent.append(s15)

s16="There are a number of systems which enable you to create
networks."
sent.append(s16)

s17=" Point to Point topology is the simplest topology that connects two
nodes with a common link."
sent.append(s17)

s18=" It joins multiple computers together to form a single network
segment."
sent.append(s18)

s19="When the network of computer is confined to a small or localised
area,it is known as LAN."
sent.append(s19)

s20="The network of computers which is spread across the countries is
known as a WAN."
sent.append(s20)

s21="In star topology, the server is directly connected with each and
every node in the network via a hub."
sent.append(s21)

s22="Modem is a device that converts digital signal to analog signal and
vice versa."
sent.append(s22)

s23="The switch is a hardware device used to divide the network into
smaller subnets or LAN segments."
```

```

sent.append(s23)

s24=""The repeater is a hardware device used in a network to amplify the
weak signals.""

sent.append(s24)

s25=""Gateway establishes an intelligent connection between a local
network and external networks.""

sent.append(s25)

s26=""HTTP is widely used for viewing information of a web page over
Internet.""

sent.append(s26)

s27=""A denial of service attack refers to an attempt to make computer
resources unavailable to users.""

sent.append(s27)

s28=""The user is provided with a login-id and password by which they is
considered to be an authentic user.""

sent.append(s28)

s29=""A hacker is someone who seeks and exploits weaknesses in a
computer system or network.""

sent.append(s29)

s30=""A Worm can self replicate itself in the files to accumulate any data.""
sent.append(s30)

rsent=random.choice(sent)

l36=tk.Label(h,text=rsent,font=('Verdana',16),bg='Gold')

l36.place(x=50,y=50)

l37=tk.Entry(h,width=80,font=('Verdana',16))

l37.place(x=5,y=150)

l38=tk.Button(h,text='SUBMIT',font=('Verdana',16),command=lambda:det12(l3
7.get(),rsent),bg='Red')

l38.place(x=20,y=200)

```

```
l39=tk.Button(h,text='Retry',font=('Verdana',16),command=lambda:det11(h),bg='Red')
```

```
l39.place(x=170,y=200)
```

```
l5=tk.Button(h,text=' Exit',font=('Verdana',16),command=lambda:detd(h),bg=('Red'))
```

```
l5.place(x=320,y=200)
```

```
l33=tk.Button(h,text='Back',font=('Verdana',16),bg='Red',command=lambda:int  
ropg(h))
```

```
l33.place(x=470,y=200)
```

```
def det12(y,rsent):
```

```
len3=len(rsent)
```

```
len4=len(y)
```

```
counts=0
```

```
for i in range(len4):
```

```
    if y[i]==rsent[i]:
```

```
        counts+=1
```

```
acc=(counts/len3)*100
```

```
if acc<25:
```

```
    l39=tk.Label(h,text='You have to practice more',font=('Verdana',16),bg='Gold')
```

```
    l39.place(x=50,y=300)
```

```
if acc>=25 and acc<50:
```

```
    l40=tk.Label(h,text='You can perform better than this',font=('Verdana',16),bg='Gold')
```

```
    l40.place(x=50,y=300)
```

```
if acc>=50 and acc<75:
```

```
    l41=tk.Label(h,text='Good,but you can improve more',font=('Verdana',16),bg='Gold')
```

```

        l41.place(x=50,y=300)

    if acc>=75 and acc<100:

        l42=tk.Label(h,text='Excellent,you are on your way to the
top',font=('Verdana',16),bg='Gold')

        l42.place(x=50,y=300)

    if acc==100:

        l43=tk.Label(h,text='You are a
perfectionist',font=('Verdana',16),bg='Gold')

        l43.place(x=50,y=300)

def relogin(g):

    det10(g)

def detd(r):

    r.destroy()

def detd1():

    e.destroy()

def myattempts():

    global ol

    win.destroy()

    ol=tk.Tk()

    ol.title('Login success')

    ol.geometry('1250x350')

    ol.configure(bg='Gold')

    f4=open("C:\\Users\\nathan\\Documents\\bestattempt.txt","r")

    rlines=f4.readlines()

    tlst=[]

    p1=0

    for i in rlines:

        j=i.index(",")

```

```

ml=i[2:j-1]
if ml==curemail:
    ind=i.index("]")
    acclst=i[j+1:ind+1]
    tlst.append(acclst)
    p1=1
aclst=[]
timelst=[]
for r in tlst:
    k2=(r.lstrip(" ").rstrip("]"))
    j=k2.split(",")
    for i in range(len(j)):
        if i%2==0:
            aclst.append(float(j[i]))
        else:
            timelst.append(float(j[i].lstrip(" ")))
if p1:
    accstring=""
    for k1 in range(len(aclst)):
        accstring+="["+str(aclst[k1])+","+str(timelst[k1])+"] "
l7=tk.Label(ol,text="Accuracy,time:"+accstring,font=('Verdana',15),bg='Yellow')
l7.place(x=25,y=100)
l8=tk.Button(ol,text=" Back
",font=('Verdana',15),command=lambda:getback(ol),bg='Red')
l8.place(x=100,y=150)
else:
    accstring=" NO previous attempts "

```

```

l7=tk.Label(ol,text=accstring,font=('Verdana',15),bg='Yellow')

l7.place(x=100,y=100)

l8=tk.Button(ol,text=" Back
",font=('Verdana',15),command=lambda:getback(ol),bg='Red')

l8.place(x=100,y=150)

def getback(window):

    window.destroy()

    global win

    win=tk.Tk()

    win.title('Login success')

    win.geometry('300x400')

    win.configure(bg='Gold')

    l20=tk.Button(win,text=' My attempts
',font=('Verdana',16),command=myattempts,bg='Orange')

    l20.place(x=50,y=150)

    l21=tk.Button(win,text=' Start game
',font=('Verdana',16),command=lambda:det5(win),bg='Orange')

    l21.place(x=50,y=50)

    l19=tk.Button(win,text=' Instruction
',font=('Verdana',16),command=det3,bg='Orange')

    l19.place(x=50,y=100)

    l20=tk.Button(win,text=' Back
',font=('Verdana',16),command=lambda:intropg(win),bg='Orange')

    l20.place(x=50,y=250)

    l5=tk.Button(win,text=' Exit
',font=('Verdana',16),command=lambda:detd(win),bg=('Orange'))

    l5.place(x=50,y=300)

    l6=tk.Button(win,text=' Your score
',font=('Verdana',16),command=score,bg=('Orange'))

    l6.place(x=50,y=200)

```



```

def intropg(x):
    global a
    x.destroy()
    a=tk.Tk()
    a.geometry('650x500')
    a.title('Typing Speed Test')
    a.configure(bg='Yellow')
    l1=tk.Label(a,text='Welcome to Typing Speed
Test',font=('Verdana',20),bg='Yellow')
    l1.place(x=100,y=0)
    l2=tk.Label(a,text='Choose any of the following
options:',font=('Verdana',12),bg='Yellow')
    l2.place(x=0,y=40)
    l3=tk.Button(a,text='Sign
up',font=('Verdana',16),command=det1,bg=('Light Blue'))
    l3.place(x=250,y=75)
    l4=tk.Button(a,text=' Login ',font=('Verdana',16),bg=('Light
Blue'),command=lambda:det10(a))
    l4.place(x=250,y=135)
    l35=tk.Button(a,text='Practice',font=('Verdana',16),command=lambda:det11(a)
,bg=('Light Blue'))
    l35.place(x=250,y=195)
    l5=tk.Button(a,text=' Exit
',font=('Verdana',16),command=lambda:detd(a),bg=('Light Blue'))
    l5.place(x=250,y=255)
def score():
    #since time taken and accuracy are inversely related avg. of
acc./timetaken will give relative performance out of 1
    #this score multiplied by 10 gives score out of 1

```

```

win.destroy()

global nin

nin=tk.Tk()

nin.title('Your score')

nin.geometry('1250x350')

nin.configure(bg='Gold')

f4=open("C:\\Users\\nathan\\Documents\\bestattempt.txt","r")

f4.seek(0,0)

rlines=f4.readlines()

tlst=[]

p1=0

for i in rlines:

    j=i.index(",")

    ml=i[2:j-1]

    if ml==curemail:

        ind=i.index("]")

        acclst=i[j+1:ind+1]

        tlst.append(acclst)

        p1=1

aclst=[]

timelst=[]

for r in tlst:

    k2=(r.lstrip(" ").rstrip(""))

    j=k2.split(",")

    for i in range(len(j)):

        if i%2==0:

            aclst.append(float(j[i]))

```

```

        else:
            timelst.append(float(j[i].lstrip(" ")))

su=0
n=0
for i in range(len(aclst)):
    if int(aclst[i])>=30 or int(timelst[i])>=10:
        su+=int(aclst[i])/int(timelst[i])
        n+=1
if n!=0:
    #accmax=100,timemax=12 seconds
    avg=su/8.33/n
    sc1=avg*10
    sc=round(sc1,2)
else:
    sc="Your score is low,less than 3 on average"

l1=tk.Label(nin,text=' SCORE out of 10 :' +str(sc)+" on
average",font=('Verdana',12),bg='Yellow')

l1.place(x=100,y=100)

l5=tk.Button(nin,text=' Exit
',font=('Verdana',16),command=lambda:detd(nin),bg=('Red'))

l5.place(x=275,y=195)

l20=tk.Button(nin,text=' Back
',font=('Verdana',16),command=lambda:getback(nin),bg='Red')

l20.place(x=150,y=195)

f4.close()

userl=[]

f=open("C:\\Users\\nathan\\Documents\\signup.txt","a")
f2=open("C:\\Users\\nathan\\Documents\\emsave.txt","a")

```

```
a=tk.Tk()

a.geometry('650x500')

a.title('Typing Speed Test')

a.configure(bg='Yellow')

l1=tk.Label(a,text='Welcome to Typing Speed
Test',font=('Verdana',20),bg='Yellow')

l1.place(x=100,y=0)

l2=tk.Label(a,text='Choose any of the following
options:',font=('Verdana',12),bg='Yellow')

l2.place(x=0,y=40)

l3=tk.Button(a,text='Sign up',font=('Verdana',16),command=det1,bg=('Light
Blue'))

l3.place(x=250,y=75)

l4=tk.Button(a,text=' Login ',font=('Verdana',16),bg=('Light
Blue'),command=lambda:det10(a))

l4.place(x=250,y=135)

l35=tk.Button(a,text='Practice',font=('Verdana',16),command=lambda:det11(a)
,bg=('Light Blue'))

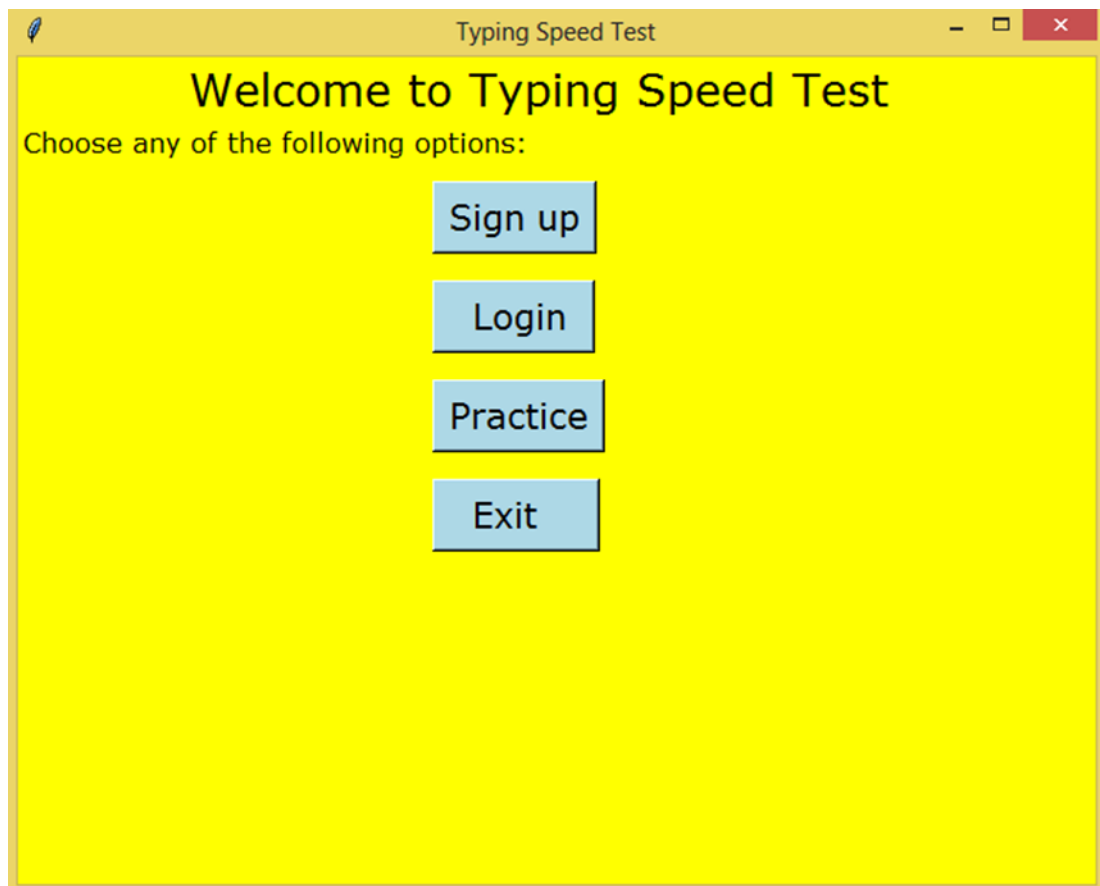
l35.place(x=250,y=195)

l5=tk.Button(a,text=' Exit
',font=('Verdana',16),command=lambda:detd(a),bg=('Light Blue'))

l5.place(x=250,y=255)
```

OUTPUT

Home Page:



After clicking signup:

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Back **SUBMIT** **Exit**

When no input is entered or partially filled:

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Back **SUBMIT** **Exit**

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

When email is entered incorrectly:

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

When phone number is entered incorrectly:

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

Enter a password in digits:

Confirm the password:

Signup unsuccessful

Please check mail (or)

Phone number (or)

Check whether everything is filled correctly

When passwords doesn't match

Sign in

Welcome to Signup

Enter your name:

Enter your email(gmail/yahoo/outlook):

Enter your phone no :

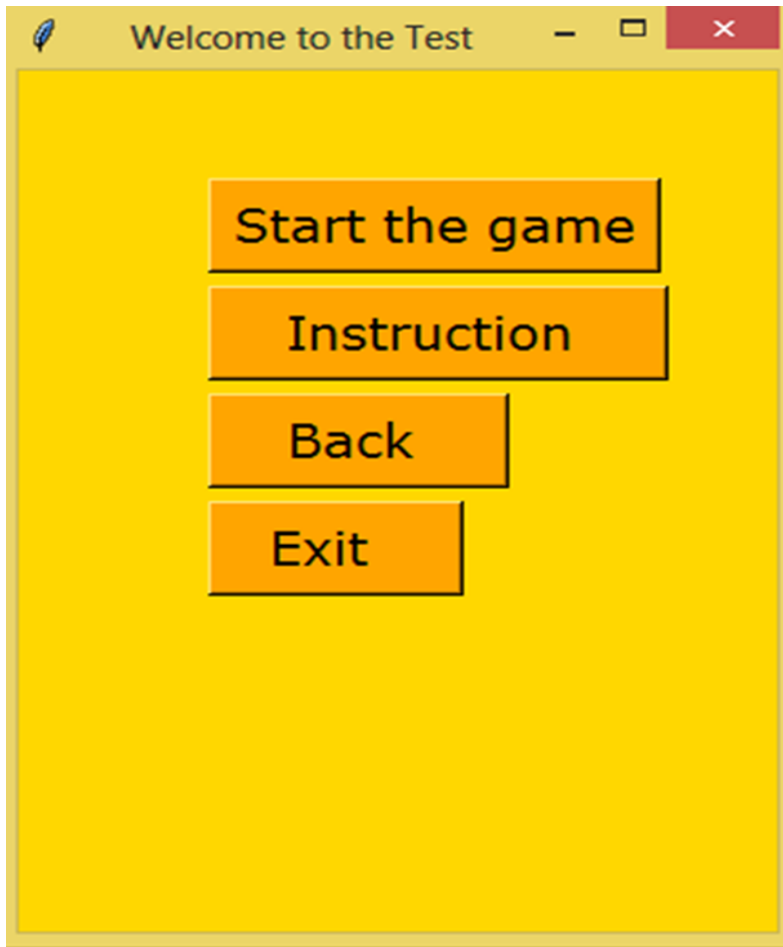
Enter a password in digits:

Confirm the password:

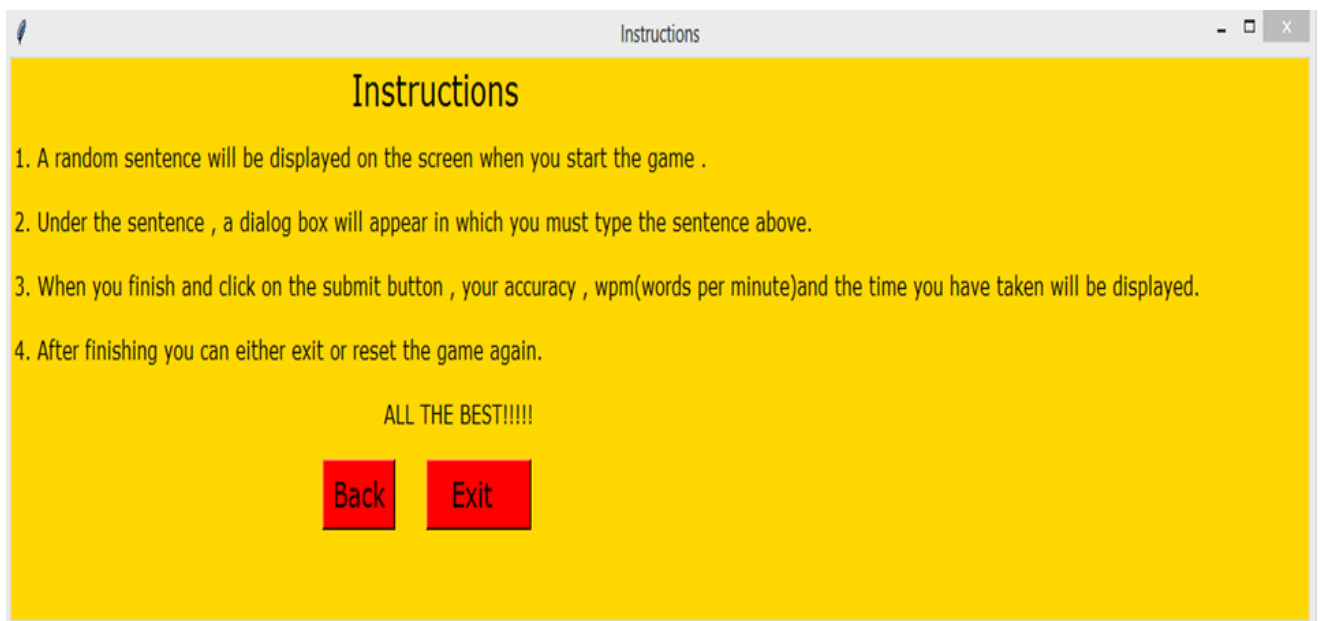
Signup unsuccessful

Please Confirm password corectly

Menu page after signup:



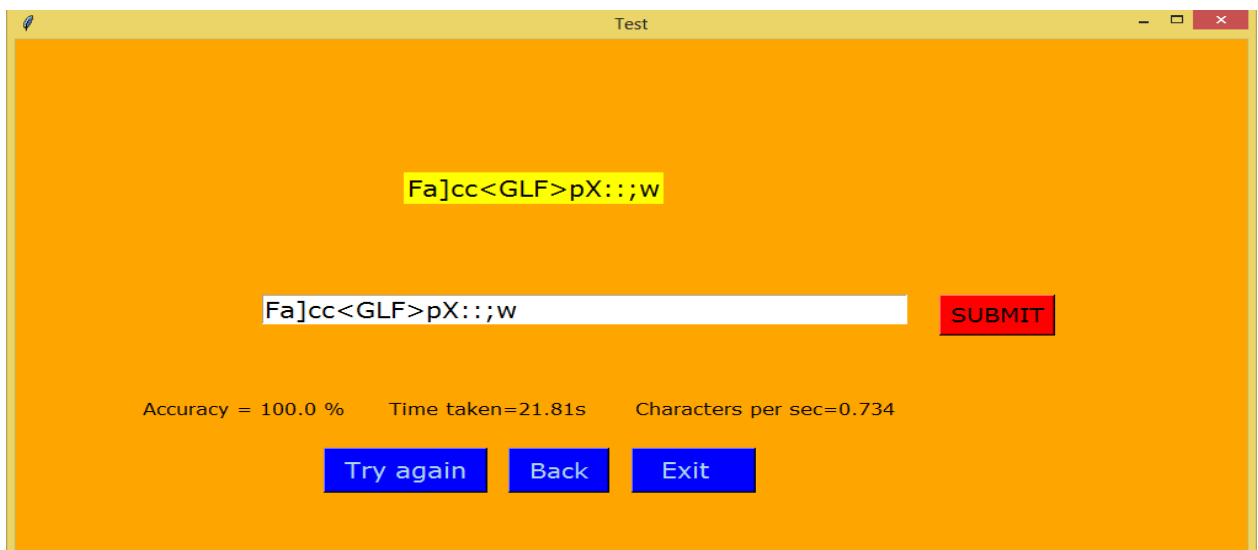
Instructions of the game:



Game page:



Result pages:



Test

T?<Zpz>p|N>yc[{I

T?<Zpz> SUBMIT

Accuracy = 43.75 % Time taken=10.56s Characters per sec=0.663

Try again Back Exit

Test

{"[eE}h}}A?g;y?["

{"[eE}h}}A?g;y?[abcd SUBMIT

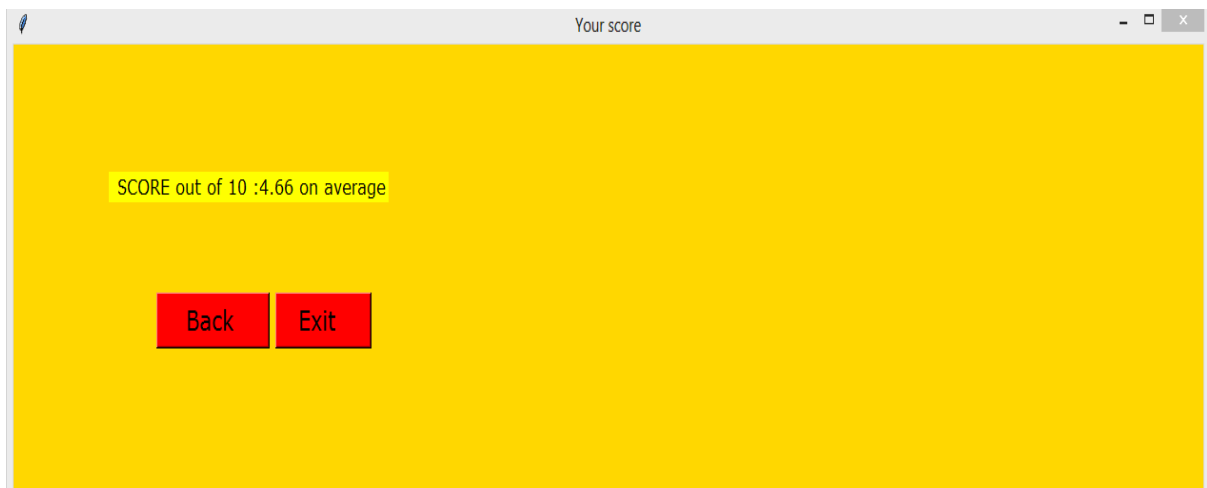
Accuracy = 75.0 % Time taken=29.94s Characters per sec=0.668

Try again Back Exit

Attempts page:



Score page:



After clicking login:

Log in

Welcome to Login

Enter your email(gmail/yahoo/outlook):

Enter a password in digits:

Log in

Welcome to Login

Enter your email(gmail/yahoo/outlook):

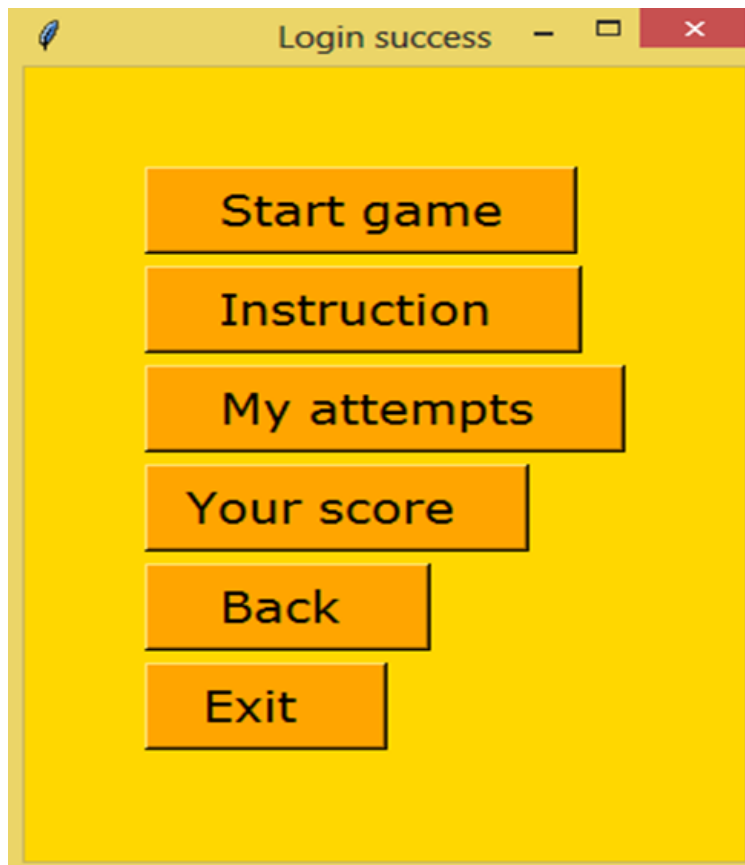
Enter a password in digits:

When login details are empty or incorrect:

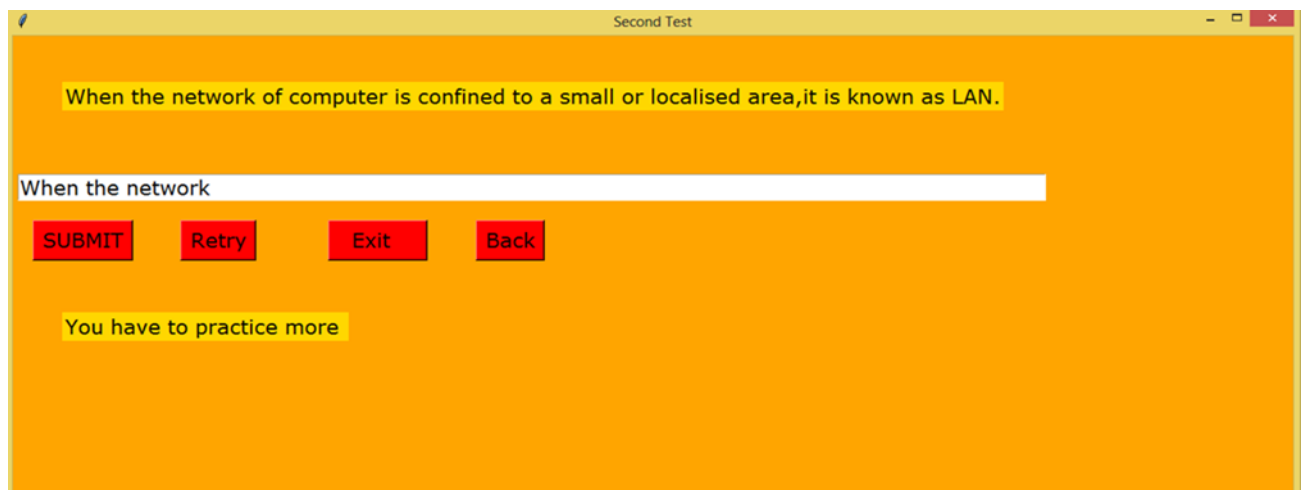
Login error

Login unsuccessful

Menu page after login:



Practice page:



Second Test

HTTP is widely used for viewing information of a web page over Internet.

HTTP is widely used for viewing

You can perform better than this

Second Test

The network of computers which is spread across the countries is known as a WAN.

The network of computers which is spread across the |

Good,but you can improve more

Second Test

The computer as we know it today had its beginning with a professor name Charles Babbage.

The computer as we know it today had its beginning with a professor named Charles |

Excellent,you are on your way to the top

