```
for lp in range (1,80):
 final=[]



 for i in range(10000):
  l=[]
  import random
  for i in range(1,101):
   l.append(i)
  k=[i for i in range(1,101)]
  random.shuffle(k)


  for i in range(0,100):
   l[i]=[l[i],k[i]]
  #print(l)
  max=0
  for j in range(lp):
   if l[j][1]>max:
    max=l[j][1]
  #print("maximum element in the list upto 10 elements is",max)
  for k in range(lp,100):
   if max==100:
    f=0
   if l[k][1]>max:
    f=l[k][1]
    #print("the immediate greater priority after the maximum priority in first 10 candidates
is",f,'at',k+1,'th place')
    break
  final.append(f)
 #print(final)
 c=0
```

```
for x in final:
  if x==100:
    c+=1
print ("For learning period=",lp )
print("percentage of finding a good secretary is",(c/10000)*100,'%')
```