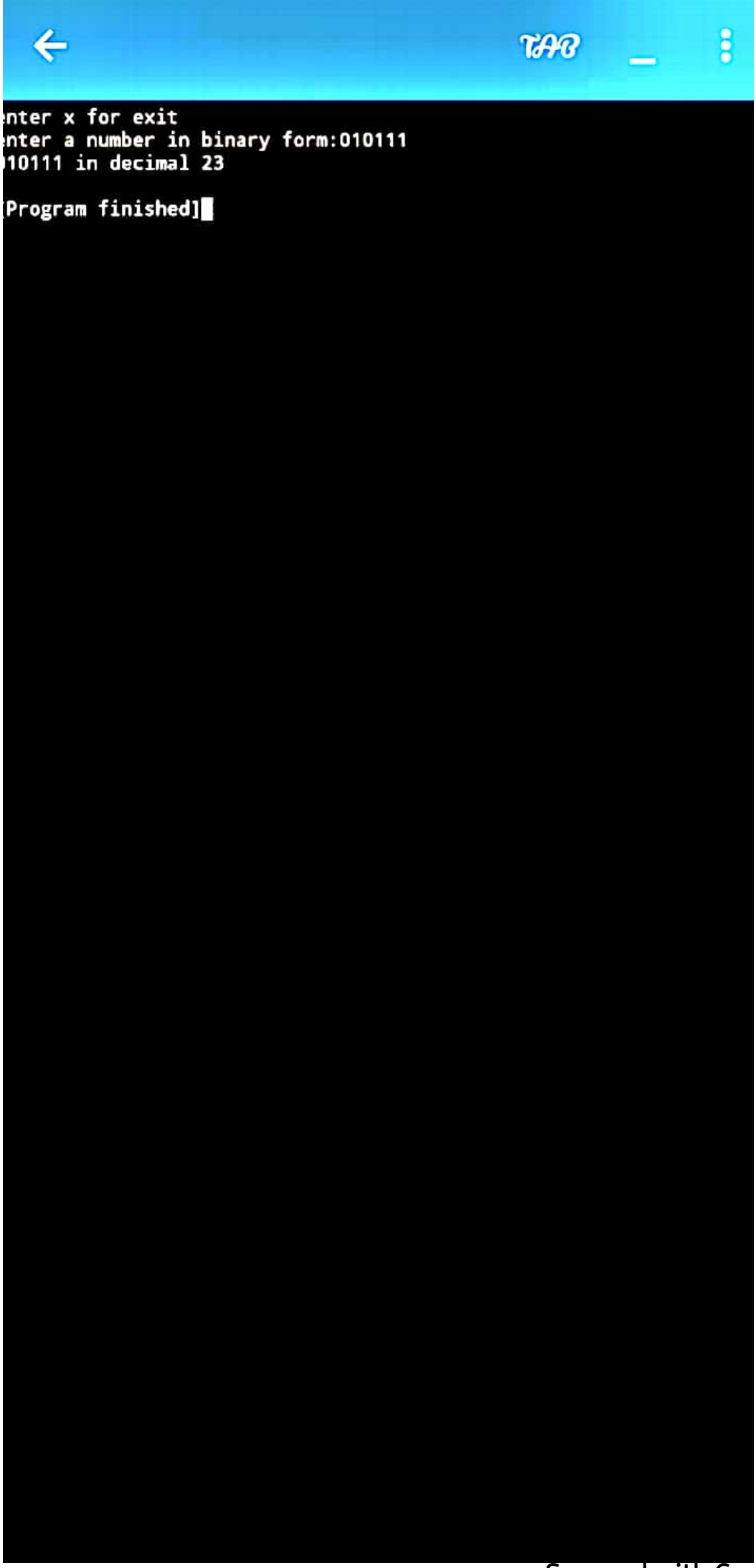
```
1  #converting binary to decimal
2  print ( 'enter x for exit' )
3  binary=input ( 'enter a number in binary form:' )
4  if binary=='x' :
5      exit ( )
6  else:
7      decimal=int ( binary, 2 )
8      print ( binary, 'in decimal' , decimal )
```

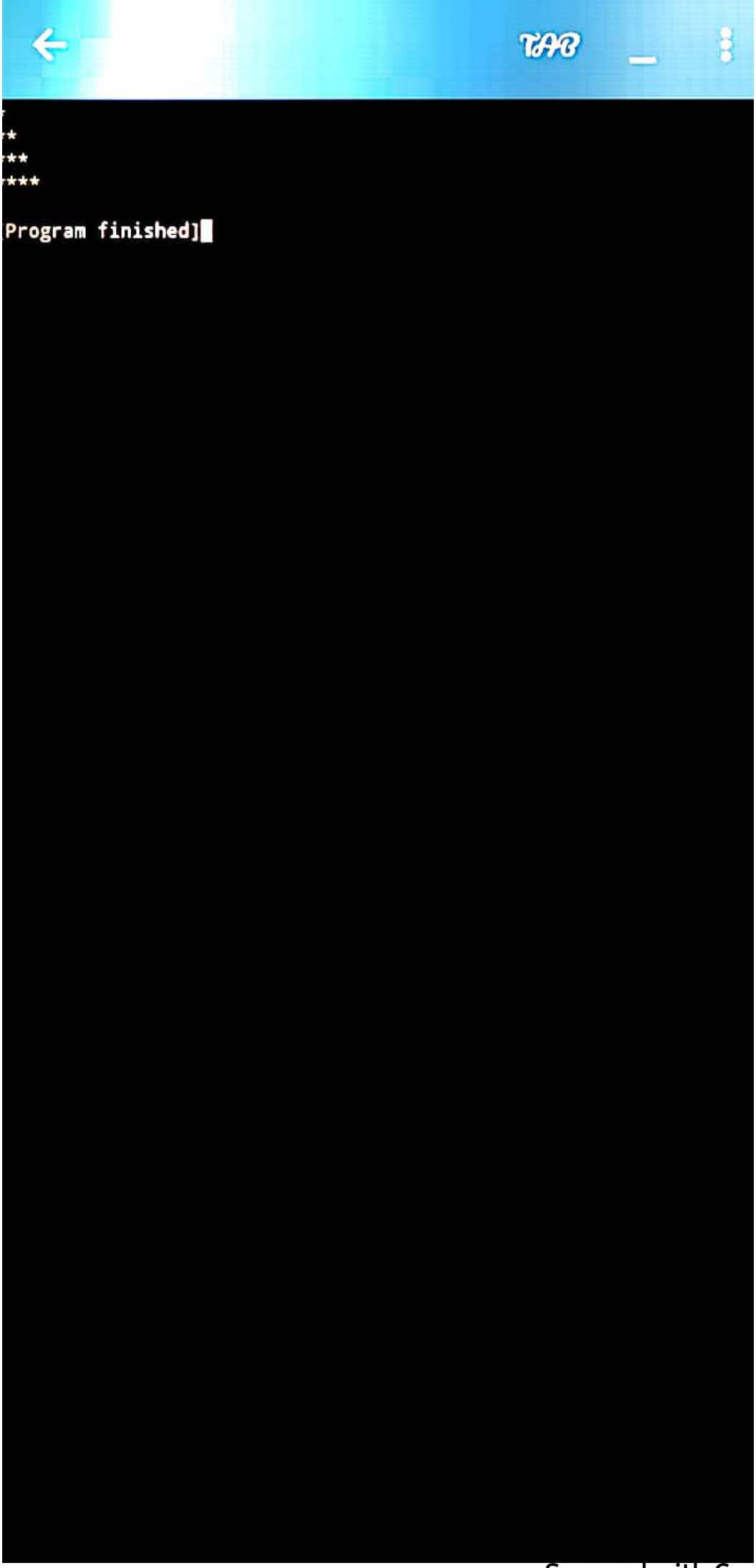
Scanned with CamScanner

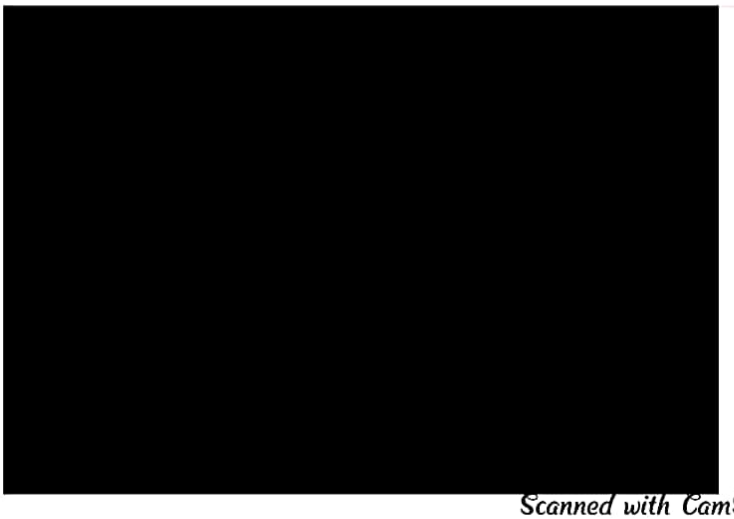



```
1  #printing even and odd numbers in n numbers
2  a=[]
3  n=int(input('enter number of elements:'))
4  for i in range(1,n+1):
5      b=int(input('enter elements:'))
6      a.append(b)
7  even=[]
8  odd=[]
9  for j in
0      if(j%2==0):
11         even.append(j)
2      else:
3          odd.append(j)
4  print('the even numbers list is',even)
5  print('the odd numbers list is',odd)
```

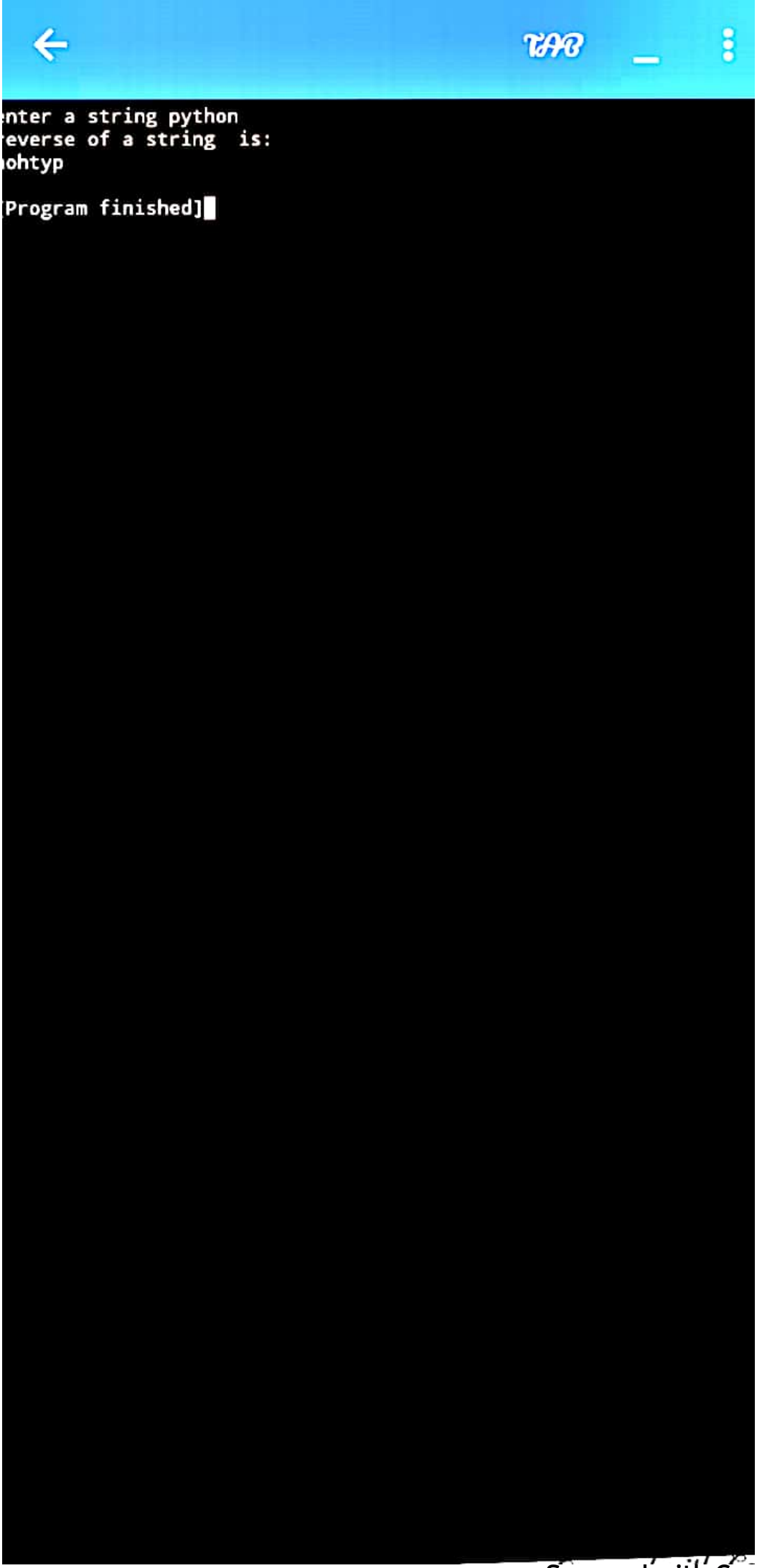
```
enter number of elements:6
enter elements:1
enter elements:2
enter elements:3
enter elements:4
enter elements:5
enter elements:6
the even numbers list is  [2, 4, 6]
the odd numbers list is  [1, 3, 5]

[Program finished]
```

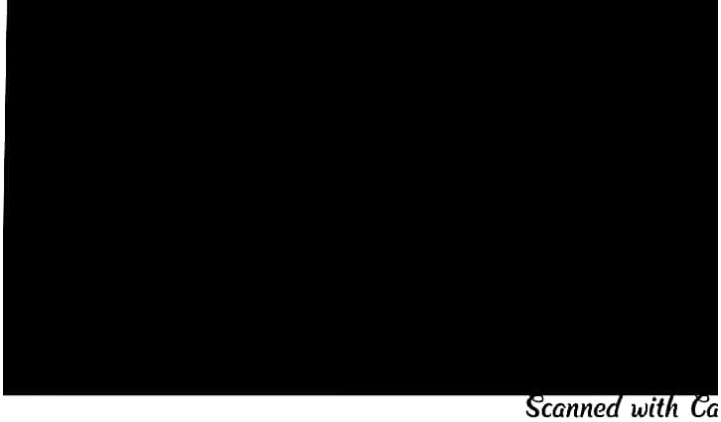

```
1  #printing a star pattern
2  n=4
3  row=0
4  while row<n:
5      star=row+1
6      while star>0:
7          print( " * " ,end=" " )
8          star=star-1
9      row=row+1
10     print( )
```





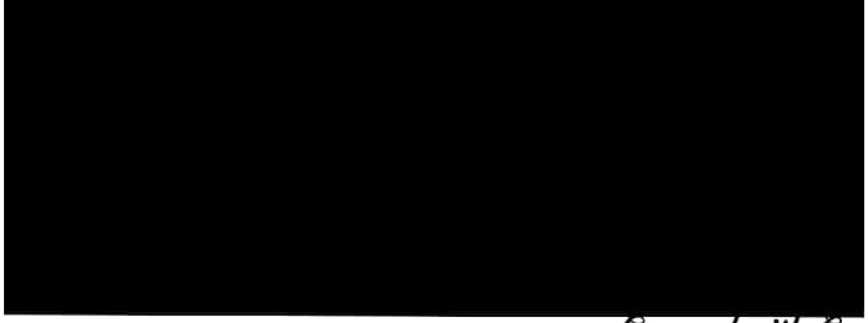

```
1 #reversing of a string
2 a=str( input( 'enter a string' ) )
3 print( 'reverse of a string  is:' )
4 print( a[ ::-1] )
```



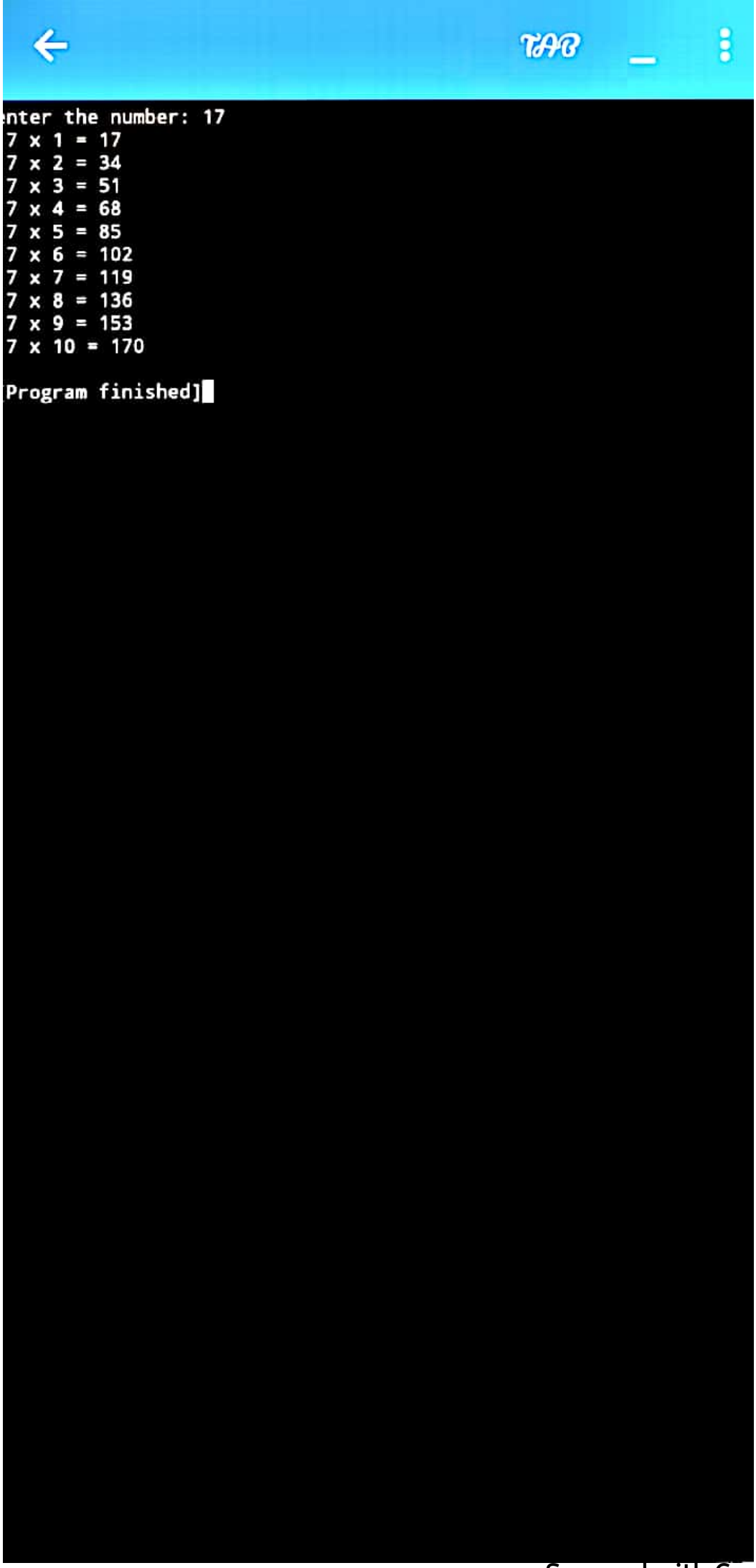



```
1  #fibonacci series
2  def fib ( n ) :
3      a=0
4      b=1
5      if n==1:
6          print ( a )
7      else:
8          print ( a )
9          print ( b )
0          for i in range ( 2 , n ) :
11             c=a+b
2              a=b
3              b=c
4              print ( c )
5  fib ( 10 )
```

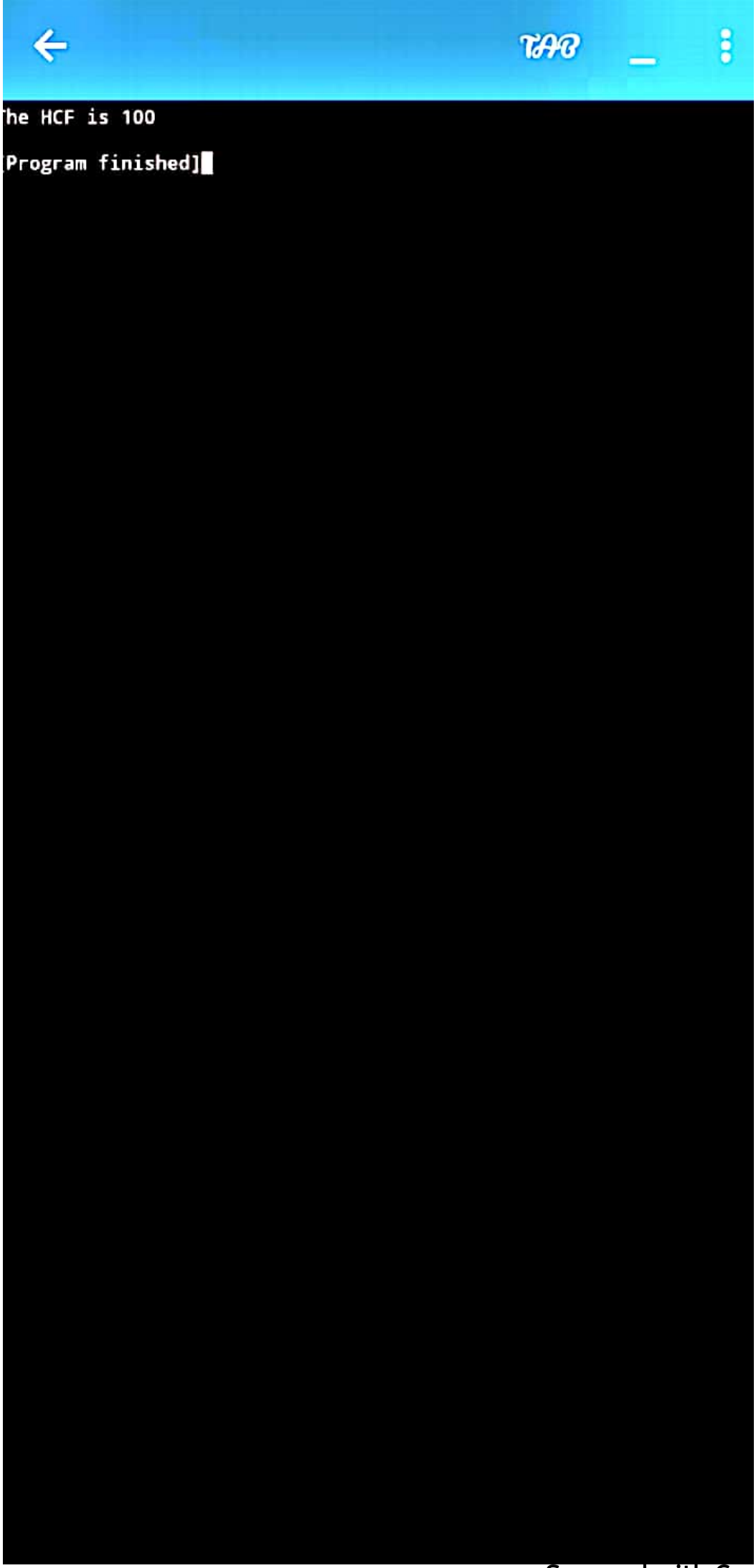

```
0
1
1
2
3
5
8
13
21
34

[Program finished]
```

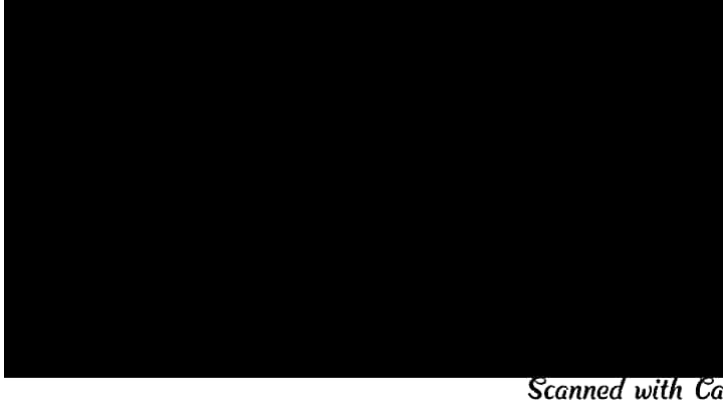



```
1  #printing multiplication table
2  num=int( input( 'enter the number:' ) )
3  for i in range( 1,11 ):
4      print( num, 'x', i, '=', num* i)
```




```
1  #hcf of two numbers
2  def compute_hcf( x, y ) :
3      while( y ) :
4          x, y = y, x % y
5      return x
6
7  hcf = compute_hcf( 300, 400 )
8  print( "The HCF is", hcf )
```






```
1  #write a python program that prints all the numb
   from 0 to 6 except 3 and 6.
2  for x in range( 6 ):
3      if ( x == 3 or x==6 ):
4          continue
5      print( x,end=' ' )
6  print( "\n" )
7
```