1. Ans:

text=input("Enter text:")

key=int(input("Enter the key: "))

for c in text:

c=ord(c)

r=c+key

newres=chr(r)

print(newres,end="")

1. Ans:

lst = [4, 2, 5, 6]

i = [str(integer) for integer in lst]

a\_string = "".join(i)

res = int(a\_string)

a=1

sum=res+1

print(sum)

num = sum

1. Ans:

print("The number after addition is " + str(num))

res1 = [int(x) for x in str(num)]

print("The list from number is " + str(res1))

if \_\_name\_\_ == "\_\_main\_\_" :

a = "1011"

b = "10"

bn\_sum = lambda a,b : bin(int(a, 2) + int(b, 2))

print(bn\_sum(a,b)[2:])

1. Ans:

import math

n=eval(input("The input is: "))

def sumDiv(driver):

sum = 0;

for i in range(1,driver):

if(driver%i==0):

sum=sum+i

return sum;

def final\_amicable(iteration):

final = 0

for i in range(1,iteration):

currentDivs = sumDiv(int(i));

resultDivs = sumDiv(currentDivs);

if (i == resultDivs and currentDivs != resultDivs):

if(i > n):

print(i)

final = i

return i

break

if(final == 0):

final\_amicable(iteration\*2)

def amc(n):

final\_result = final\_amicable(1500);

amc(n)