#Answer of no.1

n=input(“Give input:”)

def reverse(n):

result=n.split(“ “)

for char in result:

char=char[::-1]

result=“”.join(char)

print(result, end=“ “)

reverse(n)

#Answer of no.2

class answer(object):

def add(self, num, target):

ans = []

for x in range(len(num) - 1):

for y in range(x + 1, len(num)):

k = num[x] + num[y]

if k == target:

ans.append((x, y))

return ans

print(answer().add([1,2,3,4], 7))

#Answer of no.3

Number = input(“Enter a number:”)

Def main():

If number == number[::-1]:

Print(“yes, it is a palindrome”)

Else:

Print(“no, it is not a palindrome”)

Main()

#Answer of no.4

def commonprefix():

str = [‘michael’,’michelle’,’mitch’]

str = sorted(str)

c=str[0]

pref=””

for i in range(len(c)):

if str[len(str)-1][i] == c[i]:

pref = pref + str[len(str)-1][i]

else:

break

print(pref)

commonprefix()

.

#Answer of no.5

import math

n = int(input(“Enter the number of terms: “))

pi = 0

for r in range(n):

term = ((-1) \*\* r) \* (4 / (2 \* r + 1))

pi += term

print(“The calculated value of pi =“, pi)

print(“Actual pi value =“, math.pi)

print(“Difference =“, math.pi - pi)

:

#Answer of no.6

import math

def newtonmethod(x,step):

p=1

guess = x/2

while p <= step:

guess = (guess + (x/guess)) / 2

p+=1

return guess

answer = newtonmethod(25, 5)

print (answer,’\nDifference with square root of x: ‘, answer - (math.sqrt(25)))