Day1\_1

x=[6,7,9,'h','c',4,67]

print (x)

middle=int(len(x)/2)

out1= x[:middle]

out2= x[middle:]

print(out2+out1)

day1\_2

n= int(input ('enter a single digit integer: '))

i=0

while i <= n:

if (i%2==0):

print (i)

i+=1

day3\_1

username='fatemeh'

password='8799'

x=input('enter username: ')

y=input('enter password: ')

if x==username and y==password:

print ('Hello dear user.')

else:

print('user username or password is incorrect!')

day 3\_2

dic={'username':['mina','meysam','yasi'],

'password':['1123','7654','9908']}

x=input('inter your name: ')

y=input('enter your password: ')

if x in dic['username'] and y in dic['password']:

print('hello dear '+ x)

else:

print('your username or password is incorrect! ')

day 4

num = int(input("inter a number: "))

if num > 1:

for i in range(2, num//2):

if (num % i) == 0:

print(num, "is not a prime number")

break

else:

print(num, "is a prime number")

else:

print(num, "is not a prime number")

day5

class animals():

def \_\_init\_\_(self,age,color):

self.age=age

self.color=color

def info\_animals(self):

print('my animal has age',self.age,'and color',self.color)

class dogs(animals):

pass

def \_\_init\_\_(self,race,size):

self.race=race

self.size=size

def info\_dogs(self):

print('my dog has this attributes:','race:',self.race,'and size:',

self.size,'and age:' , self.age, 'years old')

class cats(animals):

pass

def \_\_init\_\_(self,eye\_color):

self.eye\_color=eye\_color

def info\_cats(self):

print('my cat has age',self.age,"and eye color is" ,self.eye\_color)

cati=animals(1,'brown')

cati.info\_animals()

kopi=dogs('german','middle')

kopi.age=5

kopi.color='white'

kopi.info\_animals()

kopi.info\_dogs()

cat1=cats('gray')

cat1.age=2

cat1.info\_cats()