1. Assign the value 7 to the variable guess\_me. Then, write the conditional tests (if, else, and elif) to print the string 'too low' if guess\_me is less than 7, 'too high' if greater than 7, and 'just right' if equal to 7.

guess\_me = 7

n=input(“Enter your Guess”)

if n==guess\_me:

print(“Just Right”)

elif n>7:

print(“Too high”)

else:

print(“Too Low”)

1. Assign the value 7 to the variable guess\_me and the value 1 to the variable start. Write a while loop that compares start with guess\_me. Print too low if start is less than guess me. If start equals guess\_me, print 'found it!' and exit the loop. If start is greater than guess\_me, print 'oops' and exit the loop. Increment start at the end of the loop.

start=1

guess\_me=7

while True:

if start < guess\_me:

print(“too low”)

elif start == guess\_me:

print(“Found it”)

else:

print(“oops”)

break

start +=1

1. Print the following values of the list [3, 2, 1, 0] using a for loop.

for i in lst:

print(i)

1. Use a list comprehension to make a list of the even numbers in range(10)

Lst=[]

For i in range(10):

If i%2==0:

Lst.append(i)

1. Use a dictionary comprehension to create the dictionary squares. Use range(10) to return the keys, and use the square of each key as its value.

squares = {i: i \* i for i in range(limit)}

1. Construct the set odd from the odd numbers in the range using a set comprehension (10).

{i for i in range(10) if i%2 != 0}

1. Use a generator comprehension to return the string 'Got ' and a number for the numbers in range(10). Iterate through this by using a for loop.

Gen = (‘Got’ + str(i) for i in range(10))

for i in Gen:

print(Gen)

1. Define a function called good that returns the list ['Harry', 'Ron', 'Hermione'].

def good():

print([‘Harry’,’Ron’,’Hermione’])

1. Define a generator function called get\_odds that returns the odd numbers from range(10). Use a for loop to find and print the third value returned.

def get\_odds(i):

odds=[]

for k in range(1,10,2):

odds.append(k)

print(odds)

for k in range(len(odds)):

if k == 3:

print(“The third odd is ”,str(odds[k]))

1. Define an exception called OopsException. Raise this exception to see what happens. Then write the code to catch this exception and print 'Caught an oops'.

def OopsException(exception):

pass

try:

x=1

if x>0:

raise OopsException(x)

except OopsException as err:

print(‘Caught oops exception’)

1. Use zip() to make a dictionary called movies that pairs these lists: titles = ['Creature of Habit', 'Crewel Fate'] and plots = ['A nun turns into a monster', 'A haunted yarn shop'].

Movies={}

Titles= ['Creature of Habit', 'Crewel Fate']

plots = ['A nun turns into a monster', 'A haunted yarn shop']

for Title,plot in zip(Titles,plots):

Movies[‘Title’]=plot