 **Conditional tests with guess\_me:**

python

Copy code

guess\_me = 7

if guess\_me < 7:

print('too low')

elif guess\_me > 7:

print('too high')

else:

print('just right')

 **While loop to compare start with guess\_me:**

python

Copy code

guess\_me = 7

start = 1

while True:

if start < guess\_me:

print('too low')

elif start == guess\_me:

print('found it!')

break

else:

print('oops')

break

start += 1

 **Print the values of the list [3, 2, 1, 0] using a for loop:**

python

Copy code

for number in [3, 2, 1, 0]:

print(number)

 **List comprehension for even numbers in range(10):**

python

Copy code

evens = [x for x in range(10) if x % 2 == 0]

print(evens) # Outputs [0, 2, 4, 6, 8]

 **Dictionary comprehension for squares:**

python

Copy code

squares = {x: x \*\* 2 for x in range(10)}

print(squares) # Outputs {0: 0, 1: 1, 2: 4, 3: 9, 4: 16, 5: 25, 6: 36, 7: 49, 8: 64, 9: 81}

 **Set comprehension for odd numbers in range(10):**

python

Copy code

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

print(odd) # Outputs {1, 3, 5, 7, 9}

 **Generator comprehension for strings with numbers in range(10):**

python

Copy code

generator = (f'Got {x}' for x in range(10))

for item in generator:

print(item)

 **Define a function called good:**

python

Copy code

def good():

return ['Harry', 'Ron', 'Hermione']

print(good()) # Outputs ['Harry', 'Ron', 'Hermione']

 **Define a generator function get\_odds and print the third value:**

python

Copy code

def get\_odds():

for x in range(10):

if x % 2 != 0:

yield x

# Find and print the third value

odd\_gen = get\_odds()

for \_ in range(2): # Skip the first two values

next(odd\_gen)

third\_value = next(odd\_gen)

print(third\_value) # Outputs 5

 **Define an exception OopsException and handle it:**

python

Copy code

class OopsException(Exception):

pass

try:

raise OopsException

except OopsException:

print('Caught an oops')

 **Use zip() to make a dictionary movies:**

python

Copy code

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

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

movies = dict(zip(titles, plots))

print(movies) # Outputs {'Creature of Habit': 'A nun turns into a monster', 'Crewel Fate':