Lesson 8:

1. Quiz: Superhero Nuisance

def fix\_machine(debris, product):

search = product

while len(search):

if search[0] not in debris:

return "Give me something that's not useless next time."

search = search[1:]

return product

1. Quiz: Days Old

def daysBetweenDates(year1, month1, day1, year2, month2, day2):

start\_date = date(year=year1, month=month1, day=day1)

end\_date = date(year=year2, month=month2, day=day2)

age\_in\_days = (end\_date - start\_date).days

return age\_in\_days

1. Quiz: 10 Row Abacus

def print\_abacus(value):

abacus\_string = '|00000\*\*\*\*\*|'

row\_factor = 1000000000

while row\_factor >= 1:

ratio = int(value / row\_factor)

if ratio > 0:

value -= (ratio \* row\_factor)

row\_factor /= 10

adjustment = len(abacus\_string) - ratio - 1

print(abacus\_string[0:adjustment] + ' ' + abacus\_string[adjustment:])

1. Quiz: Jungle Animal

def jungle\_animal(animal, my\_speed):

if animal == 'zebra':

print("Try to ride a zebra!")

elif animal == 'cheetah':

if my\_speed > 115:

print("Run!")

else:

print("Stay calm and wait!")

else:

print("Introduce yourself!")

1. Quiz: Leap Year Baby

def is\_leap\_baby(day, month, year):

if day != 29:

return False

if month != 2:

return False

if year % 4 != 0 or (year % 100 == 0 and year % 400 != 0):

return False

return True