# Task 1 – Sales Bonus

"""

Practical 1 Task 1

Rhys Donaldson

Program to calculate and display a user's bonus based on sales.

If sales are under $1,000, the user gets a 10% bonus.

If sales are $1,000 or over, the bonus is 15%.

"""

sales = float(input('Enter sale value: $'))

while sales > 0:

if sales <= 1000:

bonus = sales \* 0.1

elif sales > 1000:

bonus = sales \* 0.15 # I had this multiplier and the message for each amount but though it was unnecessary

print("The total bonus is: ${:.2f}".format(bonus))

sales = float(input('Enter sale value: $'))

print('Invalid number')

# Task 2 – Broken score

"""

Practical 1 Task 2

Rhys Donaldson

"""

score = float(input("Enter score: "))

if score < 0:

print("Invalid score")

elif score > 100:

print("Invalid score")

elif score >= 90:

print("Excellent") # if these are reordered it doesnt really work

elif score >= 50:

print("Passable")

else:

print("Bad")

# Task 3 – Loops

'''

Practical 1 Task 3

Rhys Donaldson

'''

for i in range(1, 21, 2):

print(i, end=' ')

print() # range(start, stop. step)

for i in range(0, 100, 10):

print(i, end=' ')

print()

for i in range(20, 0, -1):

print(i, end=' ')

print() #start at 20, step by -1, stop at 0

stars = int(input("How many stars? "))

for i in range(0, stars, 1):

print('\*', end='')

print()

baseStar = 1

while baseStar <= stars:

for i in range(0, baseStar, 1):

print('\*', end='')

print()

baseStar = baseStar + 1

#the while loop continually prints larger lines of stars until it hits the number entered, then stops