Lesson 5 Assignment – Alyssa Doughty

def calculate\_average(grades):

return sum(grades) / len(grades)

def get\_letter\_grade(average):

if average >= 90:

return 'A'

elif average >= 80:

return 'B'

elif average >= 70:

return 'C'

elif average >= 60:

return 'D'

else:

return 'F'

def main():

grades = []

num\_grades = int(input("Enter the number of grades: "))

for \_ in range(num\_grades):

while True:

try:

grade = float(input("Enter a grade (0-100): "))

if 0 <= grade <= 100:

grades.append(grade)

break

else:

print("Grade must be between 0 and 100.")

except ValueError:

print("Invalid input. Please enter a numeric value.")

average = calculate\_average(grades)

letter\_grade = get\_letter\_grade(average)

print(f"\nAverage Grade: {average:.2f}")

print(f"Letter Grade: {letter\_grade}")

if \_\_name\_\_ == "\_\_main\_\_":

main()

