Q1 A

Part 1

import random

def roll\_die():

return random.randint(1, 8)

high\_scores = 0

rolls = [roll\_die() for \_ in range(10)]

high\_scores = sum(1 for roll in rolls if roll > 4)

print(f"The number of high scores is {high\_scores}")

Part 2

total\_sum = 0

roll\_count = 0

while total\_sum <= 100:

total\_sum += roll\_die()

roll\_count += 1

print(f"The number of rolls to exceed a sum of 100 is {roll\_count}")

1B

Part 1

full\_name = input("Enter your name (first name last name): ")

Part 2

full\_name = full\_name.upper()

first\_name, last\_name = full\_name.split()

modified\_name = first\_name[-1] + first\_name[1:-1] + first\_name[0] + last\_name[-1] + last\_name[1:-1] + last\_name[0]

print(modified\_name)