#1

temperatures = []

for i in range(7):

temp = float(input(f"Enter temperature for day {i + 1}: "))

temperatures.append(temp)

average\_temp = sum(temperatures) / len(temperatures)

print(f"The average temperature over the week is: {average\_temp:.2f}")

#2

PI = 3.14

x = float(input("Enter the value of x: "))

y = float(input("Enter the value of y: "))

z = float(input("Enter the value of z: "))

result = 4 \* (x \*\* 4) + 3 \* (y \*\* 3) + 9 \* z + 6 \* PI

print(f"The result of the expression is: {result}")

#3

seconds = int(input("Enter the number of seconds: "))

minutes = seconds // 60

remaining\_seconds = seconds % 60

print(f"{minutes} minutes and {remaining\_seconds} seconds")

#4

current\_hour = int(input("Enter an hour between 1-12: "))

hours\_ahead = int(input("Enter how many hours ahead: "))

future\_hour = (current\_hour + hours\_ahead) % 12

if future\_hour == 0:

future\_hour = 12

print(f"In {hours\_ahead} hours it will be {future\_hour} o'clock.")

#5

number = input("Enter a 3-digit number: ")

reversed\_number = number[::-1]

print("Number reversed is:", reversed\_number)

#6

month = int(input("Enter the Month: "))

day = int(input("Enter the Day: "))

day\_of\_year = (month - 1) \* 30 + day

print(f"This is day {day\_of\_year} of the current year.")