Exercise 2:

1)

degrees = int(input("Enter degrees:"))  
radians = degrees\*3.14/180  
print("Degrees: "+ str(degrees))  
print("Radians: "+ str(radians))

2)

print("Enter student scores here: ")  
x = 0  
average = 0  
while x < 3:  
 student = float(input())  
 average = student + average  
 x += 1  
print(average/3)

3)

print("Number of students in each group: ")  
Leftover1 = 32 - (5\*int(input("Class 1: ")))  
Leftover2 = 45 - (7\*int(input("Class 2: ")))  
Leftover3 = 51 - (6\*int(input("Class 3: ")))  
print("Number of students leftover: ")  
print("Class 1: " + str(Leftover1))  
print("Class 2: " + str(Leftover2))  
print("Class 3: " + str(Leftover3))

4)

pi = 3.14  
pie\_diameter = 55.4  
pie\_radius = pie\_diameter / 2  
circumference = 2 \* pi \* pie\_radius  
circumference\_msg = "Jimmy’s pie has a circumference: "  
print(circumference\_msg, circumference)

5)

speed = float(input("The speed (m/s): "))  
frequency = float(input("The frequency (Hz):"))  
print("The wavelength (m): " + str(speed/frequency))