**Q1**: Write a program that prompts the user for a meal: breakfast, lunch, or dinner. Then using if statements and else statements print the user a message recommending a meal. For example, if the meal was breakfast, you could say something like, “How about some bacon and eggs?”

The user may enter something else in, but you only have to respond to breakfast, lunch, or dinner.

**Q2**: The mailroom has asked you to design a simple payroll program that calculates a student employee’s gross pay, including any overtime wages. If any employee works over 20 hours in a week, the mailroom pays them 1.5 times their regular hourly pay rate for all hours over 20.

You should take in the user’s input for the number of hours worked, and their rate of pay.

**Q3**: Write a function named times\_ten. The function should accept an argument and display the product of its argument multiplied times 10.

**Q4**: Find the errors, debug the program, and then execute to show the output.

def main()

Calories1 = input( "How many calories are in the first food?")

Calories2 = input( "How many calories are in the first food?")

showCalories(calories1, calories2)

def showCalories()

print(“The total calories you ate today”, format(calories1 + calories2,.2f))

**Q5**: Write a program that uses any loop (*while* or *for*) that calculates the total of the following series of numbers:

1/30 + 2/29 + 3/28 ............. + 30/1

**Q6**: Write a function that computes the area of a triangle given its base and height.

The formula for an area of a triangle is:

AREA = 1/2 \* BASE \* HEIGHT

For example, if the base was 5 and the height was 4, the area would be 10.

triangle\_area(5, 4) # should print 10