In [2]:
```python
#1
#Last week you wrote a program that printed out a cheery greeting including your name. Take a copy of it, and m


# Greet the user and ask for their name
name = input("Hello, What is your name?")
# Print a personalized greeting with the user's name
print(f"Hello. {name}. Good to meet you.")
```

```
Hello. Mister Apricot. Good to meet you.
```

In [5]:
```python
#2
#Write a program that prompts a user to enter a temperature in Celsius, and then
#displays the corresponding temperature in Fahrenheit, like so:
#Enter a temperature in Celsius: 32.5
#32.5C is equivalent to 90.5F.


# Prompt the user to enter a temperature in Celsius
temp_one = float(input("Enter a temperature"))

# Convert the temperature from Celsius to Fahrenheit
temp_two = (temp_one * 9/5) + 32

# Print the equivalent temperature in Fahrenheit
print(f"{temp_one}C is equivalent to {temp_two}F")
```

```
32.5C is equivalent to 90.5F
```

In [4]:
```python
#3
#Group of students into lab groups. A lab group is usually 24 students, but this is sometimes varied to create g


# Prompt the user to enter the total number of students
num_students = int(input("Enter the total number of students: "))

# Prompt the user to enter the required number of groups
num_groups = int(input("Enter the required number of groups: "))

# Calculate the number of full groups (integer division)
total_group = num_students // num_groups  # Double slash ensures integer result

# Calculate the number of leftover students
left_students = num_students % num_groups  # Modulus operator gives the remainder

# Print the number of groups and leftover students
print(f"There will be {total_group} groups with {left_students} students left over.")
```

```
There will be 14 groups with 1 students left over.
```

In [3]:
```python
#A kindly teacher wishes to distribute a tub of sweets between her pupils. She will first count the sweets and


# Prompt the user to enter the number of tubs of sweets
num_sweets = int(input("Enter the number of tubs of sweets: "))

# Prompt the user to enter the number of pupils attending
num_pupils = int(input("Enter the number of pupils attending: "))

# Calculate how many sweets each pupil will receive (integer division)
give_sweets = num_sweets // num_pupils

# Calculate how many sweets will be left over (modulus operator)
left_sweets = num_sweets % num_pupils

# Print the number of sweets each pupil gets and the remaining sweets
print(f"The teacher will give {give_sweets} sweets to each pupil and she will have {left_sweets} sweets left ov
```

```
The teacher will give 2 sweets to each pupil and she will have 20 sweets left over.
```

In [ ]:
```python

```