

# Week 2 Program

November 21, 2024

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[1]: '''Last week you wrote a program that printed out a cheery greeting including
      ↳ your
      name. Take a copy of it, and modify it so that the user enters their name at
      ↳ the
      keyboard, and then receives a greeting. For example:
      Hello, what is your name? Mr Apricot
      Hello, Mr Apricot. Good to meet you!'''

Name=input("Hello, what is your name? ")
print(f"Hello, {Name}. Good to meet you!")
```

Hello, what is your name? Mr Apricot

Hello, Mr Apricot. Good to meet you!

```
[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.'''

Temperature=float(input("Enter a tempearture in Celsius: "))
Fahrenheit= (Temperature *1.8) + 32
print(f"{Temperature} is equivalent to {Fahrenheit}F.")
```

Enter a tempearture in Celsius: 32.5

32.5 is equivalent to 90.5F.

```
[10]: '''The Head of Computing at the University of Poppleton is tasked with dividing
      ↳ a group of students into lab groups.
      A lab group is usually 24 students, but this is sometimes varied to create
      ↳ groups of similar size.
      Write a program that prompts for the number of students and group size, and
      ↳ then displays how many groups
      will be needed and how many will be le over in a smaller group.
      How many students? 113
```

*Required group size? 22  
There will be 5 groups with 3 students left over.  
For bonus credit, see if you can fix the grammar in the output.  
So if there were 101 students in groups of 20 the output would be: There will  
↪ be 5 groups with 1 student left over.'*

```
Students=int(input("How many students? "))
Groups=int(input("Required group size? "))

Total_group= Students/Groups
LeftOverStudents= Students % Groups
print (f"There will be {int(Total_group)} groups with {LeftOverStudents}
↪ student left over")
```

How many students? 113  
Required group size? 22

There will be 5 groups with 3 student left over

[2]: *'''A kindly teacher wishes to distribute a tub of sweets between her pupils.
↪ She will
first count the sweets and then divide them according to how many pupils attend
that day. Write a program that will tell the teacher how many sweets to give
↪ to each
pupil, and how many she will have left over.'''*

```
Choco=int(input("How many chocolate did u count?: "))
Pupils=int(input("How many pupils will attend?: "))

ToGive=Choco/Pupils
Leftover=Choco % Pupils

if (Choco>Pupils):
    print(f"\nPlease give {int(ToGive)} sweets to each pupil, and you will
↪ have {int(Leftover)} sweet leftover.")
else:
    print("\nNot enough sweets")
```

How many chocolate did u count?: 80  
How many pupils will attend?: 7

Please give 11 sweets to each pupil, and you will have 3 sweet leftover.