Question 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!

In [4]:
```
print("Hello, what is your name?")
name=input("enter your name")
print("Hello, Mr",name,".","," Good to meet you!")
```

```
Hello, what is your name?
Hello, Mr prasun .  Good to meet you!
```

Question 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.

In [36]:
```
temp=float(input("Enter a temperature in Celsius: "))
calc=(temp*1.8)+32
print( temp,"C"," is equivalent to " ,calc,"F.")
```

```
-2.0 C  is equivalent to  28.4 F.
```

Question 3.

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 left 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.

In [2]:
```
stud=int(input("How many students there are? "))
grp=int(input("How many groups do you want? "))
calc=(stud//grp)
rem=(stud % grp)
if rem <=1:
    print("There will be",calc ,"groups with", rem,"student left over.")
else:
     print("There will be",calc ,"groups with", rem,"students left over.")
```

```
There will be 20 groups with 1 student left over.
```

Question 4.

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.

In [3]:
```
swe=int(input("Enter the number of Sweets avialable"))
pup=int(input("Enter the number of pupils present"))
calc=(swe//pup)
rem=(swe%pup)
if rem <=1:
    print("There will be", calc , "sweets to give to each pupil and", rem, " sweet remaining.")
else:
    print("There will be", calc , "sweets to give to each pupil and", rem, " sweets remaining.")
```

```
There will be 5 sweets to give to each pupil and 0  sweet remaining.
```

In [ ]:
```

```