

2.2 Output

```
what is your name?  
Leo  
I am happy to meet you, Leo  
which department are you?  
Information and Computer Science  
Nice, you are welcome to the Information and Computer Science department
```

3 Problem to Calculate the Perimeter of a Lawn Tennis Court

Develop a program which will accept the dimensions of a lawn tennis court and then calculate the perimeter. Ensure your program will be robust enough to work with decimal values.

3.1 Program

```
length = float(input("How long is the court?\n"))  
#float is a keyword for specifying that a data type of decimal can be allowed  
width = float(input("How wide is the court?\n"))  
perimeter = 2*(length + width)  
#Recall that perimeter is the sum of all sides = 2*length + 2*width  
print("The perimeter of the lawn tennis court = " + str(perimeter) + " square units")  
#Take note of the str. It is used to cast perimeter value to string so as to allow  
concatenation with other strings.
```

3.2 Output

```
How long is the court?  
24.3  
How wide is the court?  
11.1  
The perimeter of the lawn tennis court = 70.8 square units
```

4 Problem to Calculate Simple Interest

Write a computer program that will assist your dad to compute the simple interest he will earn if he invests a certain amount of his money in dollars for some number of years at a particular percentage per annum. Let the program prompts him to enter the amount invested, years, and percentage per annum.