# Type Casting = convert the data type of a value to another data type.  
##############  
##############  
  
x = 1 #int  
y = 2.0 #float  
z = '3' #str  
  
# Does not Change the type permanently  
  
# print(x) # 1  
# print(int(y)) # 2  
# print(int(z)) # 3  
  
# print(str(x)) # 1  
# print(str(y)) # 2.0  
# print(z) # 3  
  
# print(float(x)) # 1.0  
# print(y) # 2.0  
# print(float(z)) # 3.0  
  
# To Change the type permanently MUST RE-ASSIGN the variable  
# y = int(y)  
# z = float(z)  
  
# print(x) # 1  
# print(y) # 2  
# print(z\*3) # 9.0  
  
# y = str(y)  
# print(y\*3) # 222 Not 6 - because the type has changed to str  
  
# print('X is ' + x) # TypeError: can only concatenate str (not "int") to str  
# print('X is ' + y) # TypeError: can only concatenate str (not "int") to str  
print('Z is ' + z) # Z is 3  
print('X is ' + str(x)) # X is 1  
print('Y is ' + str(y)) # Y is 2.0