String formatting

*# with dictionaries*

person = {'name': 'Jenn', 'age': 23}  
sentence = 'My name is {} and I am {} years old.'.format(person['name'], person['age'])  
print(sentence) *# My name is Jenn and I am 23 years old.*sentence = 'My name is {0} and I am {1} years old.'.format(person['name'], person['age'])  
print(sentence) *# My name is Jenn and I am 23 years old.*

*# a more elegant way of doing this*

sentence = 'My name is {name} and I am {age} years old.'.format(\*\*person)  
print(sentence) *# My name is Jenn and I am 23 years old.*

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tag = 'h1'  
text = 'This is a headline'  
sentence = '<{0}>{1}</{0}>'.format(tag, text)  
print(sentence) *# <h1>This is a headline</h1>*

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class Person():  
 def \_\_init\_\_(self, name, age):  
 self.name = name  
 self.age = age  
  
  
p1 = Person('Jack', '33')  
  
sentence = 'My name is {0.name} and I am {0.age} years old.'.format(p1)  
print(sentence) *# My name is Jack and I am 33 years old.*sentence = 'My name is {name} and I am {age} years old.'.format(name='Asif', age='50')  
print(sentence) *# My name is Asif and I am 50 years old.*

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_for i in range(1, 11):  
 sentence = 'The value is {:02}'.format(i)  
 print(sentence)  
*# The value is 01  
# The value is 02  
# The value is 03*pi = 3.14159265  
sentence = 'Pi is equal to {:.2f}'.format(pi)  
print(sentence) *# 3.14*sentence = '1 MB is equal to {:,.2f} bytes'.format(1000\*\*2)  
print(sentence) *# 1 MB is equal to 1,000,000.00 bytes*import datetime  
  
my\_date = datetime.datetime(2016, 9, 24, 12, 30, 45)  
print(my\_date) *# 2016-09-24 12:30:45*sentence = '{:%B %d, %Y}'.format(my\_date)  
print(sentence) *# September 24, 2016  
  
  
# The output should be:  
# March 01, 2016 fell on a Tuesday and was the 061 day of the year.*sentence = '{0:%B %d, %Y} fell on a {0:%A} and was the {0:%j} day of the year'.format(my\_date)  
print(sentence)  
*# September 24, 2016 fell on a Saturday and was the 268 day of the year*