```
#single line comment
'''
code
block
comment
'''

#string formatting
f_name='Tom'
l_name='Jones'
print("First name is {} and last name is {}".format(f_name,l_name))

car_model="kia"
car_color="black"
print("my {} is {}".format(car_model,car_color))

#multiline string
a =  '''
This is some big text!
LOREM IPSUM
LOREM IPSUM
'''
print(a)

str2="I am coming home"

#find length of string
print(len(str2))

#convert a string into upper case
print(str2.upper())

#convert a string into lower case
print(str2.lower())

#check if all characters in the string are digits
print('5348765'.isdigit())

print(str2.isdigit())

#check if all characters in the string are in the alphabet
print(str2.isalpha())

print("telaviv".isalpha())

#check if all characters in the string are whitespaces
print('     '.isspace())

#get a string with 'I' replaced by 'You' in original string
print(str2.replace("I","You"))

#check if the string starts with the specified value
print(str2.startswith('I'))

#check if the string ends with the specified value
print(str2.endswith('work'))
```

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#get a string where lower case in original string becomes upper case
and vice versa
print(str2.swapcase())

#get a position of specified value in string
print(str2.index('h'))

#print string with replacement
str3="A cap of cold tea"
print(str3.replace('cold','hot'))

#store string with replacement and print
str3=str3.replace('cold','hot')
print(str3)


list_str=['hi','ola','bonjur','marhaba']

#find length of list
print(len(list_str))

#add element to list
list_str.append('shalom')
print(list_str)

#remove element from list
list_str.remove('ola')
print(list_str)

#remove all elements from list
list_str.clear()
print(list_str)

list_str=['hi','ola','bonjur','marhaba','hi']

#get the number of elements with the specified value
print(list_str.count('hi'))

#get position of the first element with the specified value
print(list_str.index('marhaba'))

#get last element and remove it from list
print(list_str.pop())
print(list_str)

#reverses the order of elements in list
list_str.reverse()
print(list_str)

num_list=[6,48,-4,789,6,0,-56]
print(num_list.count(6))
index_found=num_list.index(0) #find position of element to replace
num_list[index_found]=100 #replace element by setting a value in found
position
print(num_list)
```

```
num_list=[6,48,-4,789,6,0,-56]
print(num_list.count(6))
num_str=str(num_list) #convert list to string
num_str1=num_str.replace('0','100') #replace part of string
print(num_str1)
```