

```
In [1]: #Insert the missing part of the code below to output "Hello World".
# _____("Hello World")

# answer
print("Hello World")

Hello World
```

```
In [2]: """ find the mistake of programme
if 5 > 2:
    print
    (
    "Five is greater than two!"
    )"""

# answer

if (5>2):
    print("Five is greater than two!")

Five is greater than two!
```

```
In [3]: """ #Comments in Python are written with a special character, which one?
_____This is a comment"""

# answer

# _____This is a comment
""" _____This is a comment """

Out[3]: ' _____This is a comment '
```

```
In [4]: """ #Use a multiline string to make the a multi line comment:
_____This is a comment
written in
more that just one line_____"""

# answer

""" _____This is a comment
written in
more that just one line_____"""

Out[4]: ' _____This is a comment\nwritten in\nmore that just one line_____'
```

```
In [5]: #Create a variable named car and assign the value Volvo to it.

# answer

car = "Volvo"
print(car)

Volvo
```

```
In [6]: #Create a variable named x and assign the value 50 to it.

# answer

x=50
print(x)

50
```

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In [7]: #Display the sum of 5 + 10, using two variables: x and y.

# answer

x=5
y=10
print(x+y)

a, b = 5, 10
print(a+b)

15
15
```

```
In [8]: #Create a variable called z, assign x + y to it, and display the result.

# answer

x, y = 17, 19
z=x+y
print(z)

36
```

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In [9]: #Remove the illegal characters in the variable name:
# 2my-first_name="John"

# answer

my_first_name="John"
print(my_first_name)

John
```

```
In [10]: #Insert the correct syntax to assign the same value to all three variables in one codeline.
#x _ y _ z _ "Orange"

# answer
x=y=z="Orange"
print(x)
print(y)
print(z)

Orange
Orange
Orange
```

```
In [11]: """
Question : Given a two integer numbers return their product and if the product is greater than 1000,
then return their sum
Given:
number1 = 20
number2 = 30
Expected Output:
The result is 600
Given:
number1 = 40
number2 = 30
"""
```

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Expected Output:
The result is 70 """

# answer
number1, number2=20, 30
if(number1*number2>1000):
    print("The result for question 1 is :", number1+number2)
else:
    print("The result question 1 is :",number1*number2)

number1, number2=40, 30
if(number1*number2>1000):
    print("The result question 2 is :",number1+number2)
else:
    print("The result question 2 is :",number1*number2)

The result question 1 is : 600
The result question 2 is : 70

```

```

In [12]: """ Question : Reverse the following tuple
aTuple = (10, 20, 30, 40, 50)
Expected output:
(50, 40, 30, 20, 10)"""

# answer

aTuple = (10, 20, 30, 40, 50)
print(aTuple)

new_tuple = tuple(sorted(aTuple, reverse=True))
print(new_tuple)

(10, 20, 30, 40, 50)
(50, 40, 30, 20, 10)

```

```

In [13]: # Method two
aTuple = (10, 20, 30, 40, 50)
print(aTuple)
aTuple=aTuple[::-1]
print(aTuple)

(10, 20, 30, 40, 50)
(50, 40, 30, 20, 10)

```

```

In [14]: #Question : Access value 20 from the following tuple
aTuple = ("Orange", [10, 20, 30], (5, 15, 25))
#Expected output:

# answer

aTuple = ("Orange", [10, 20, 30], (5, 15, 25))
print(aTuple[1][1])

20

```

```

In [15]: # Question : Given 2 strings, s1, and s2 return a new string made of the first, middleand last char each input string
#Given:
#s1 = "America"
#s2 = "Japan"
#Expected Output:
#AJrpan

# answer

s1 = "America"
s2 = "Japan"
print(s1[0]+s2[0]+s1[len(s1) // 2]+s2[len(s2) //2]+s1[-1]+s2[-1])

AJrpan

```

```

In [16]: # Question : Given a Python List you should be able to display Python List in the following order
aLsit = [100, 200, 300, 400, 500]
#Expected output:
#[500, 400, 300, 200, 100]

# answer

aLsit = [100, 200, 300, 400, 500]
print(aLsit[::-1])

[500, 400, 300, 200, 100]

```

```

In [17]: #Question: Concatenate two Lists index-wise
#list1 = ["M", "na", "i", "Ke"]
#list2 = ["y", "me", "s", "lly"]
#Expected output:
#['My', 'name', 'is', 'Kelly']

# answer

list1 = ["M", "na", "i", "Ke"]
list2 = ["y", "me", "s", "lly"]
result = []
for i in range(len(list1)):
    result.append(list1[i]+list2[i])

print(result)

['My', 'name', 'is', 'Kelly']

```

```

In [18]: #Question: Given a two Python List. Iterate both Lists simultaneously such that list1 should display item
# in original order and list2 in reverse order
#list1 = [10, 20, 30, 40]
#list2 = [100, 200, 300, 400]
#Expected output:
# 10 400
# 20 300
# 30 200
# 40 100

# answer

list1 = [10, 20, 30, 40]
list2 = [100, 200, 300, 400]

print([(i, j) for i, j in zip(list1, list2[::-1])])

[(10, 400), (20, 300), (30, 200), (40, 100)]

```

```

In [19]: #Question : Remove empty strings from the list of strings
# list1 = ["Mike", "", "Emma", "Kelly", "", "Brad"]
# Expected output:
# ["Mike", "Emma", "Kelly", "Brad"]

# answer

list1 = ["Mike", "", "Emma", "Kelly", "", "Brad"]
list1 = list(filter(None, list1))
print(list1)

```

```
['Mike', 'Emma', 'Kelly', 'Brad']
```

In [20]: *#Write a Python program to display output in given format*

```
"""
Twinkle, twinkle, little star,
    How I wonder what you are!
        Up above the world so high,
        Like a diamond in the sky.
Twinkle, twinkle, little star,
    How I wonder what you are!"""

# answer

print("Twinkle, twinkle, little star,")
print("\tHow I wonder what you are!")
print("\t\tUp above the world so high,")
print("\t\t\tlike a diamond in the sky.")
print("Twinkle, twinkle, little star,")
print("\tHow I wonder what you are!")
```

```
Twinkle, twinkle, little star,
    How I wonder what you are!
        Up above the world so high,
        Like a diamond in the sky.
Twinkle, twinkle, little star,
    How I wonder what you are!
```

In [21]: *#Write a Python program to display the first and last colors from the following list.*  
*color\_list = ["Red","Green","White" ,"Black"]*

```
# answer

print(color_list[0], color_list[-1])
```

Red Black