

File Edit Search View Project Run Tools Help



```
1 # Licence:      <your licence>
2 #
3 def is_prime(number):
4     if number ≤ 1:
5         return False
6     for i in range(2, int(number**0.5) + 1):
7         if number % i == 0:
8             return False
9     return True
10
11 user_number = int(input("Enter a number: "))
12
13 if is_prime(user_number):
14     print(f"{user_number} is a prime number!")
15 else:
16     print(f"{user_number} is not a prime number.")
```

module1 classwork.py

module2.py



Python Interpreter

```
*** Remote (Tk) Python engine is active ***
>>>
*** Remote Interpreter Reinitialized ***
Enter a number:
|
>>>
*** Remote Interpreter Reinitialized ***
Enter a number: 3
3 is a prime number!
>>>
```

Python 3.12 (64-bit)

Remote TK

12°C
Smoke

Search



ENG

UK

10:47 pm
09/01/2024

PyScripter - module1*

File Edit Search View Project Run Tools Help



```
10
11 # Author:      Dell 5490
12 #
13 # Created:    09/01/2024
14 # Copyright:   (c) Dell 5490 2024
15 # Licence:     <your licence>
16 #
17 def print_divisible_numbers(number):
18     print(f"The divisible numbers of {number} are:")
19     for i in range(1, number+1):
20         if number % i == 0:
21             print(i)
22
23 user_number = int(input("Enter a number: "))
24 print_divisible_numbers(user_number)
```

module1 classwork.py

module2.py

module1



Python Interpreter

Enter a number:

```
>>>
>>>
*** Remote Interpreter Reinitialized ***
Enter a number: 2
The divisible numbers of 2 are:
1
2
>>>
```

Python 3.12 (64-bit)

Remote TK

19:18

Modified

Insert



12°C
Smoke



Search



ENG
UK



10:50 pm
09/01/2024

PyScripter - module1*

File Edit Search View Project Run Tools Help



```
10 # Copyright: (c) Dell 5490 2024
.  # Licence: <your licence>
#-
. def count_odd_even_numbers(numbers):
.     odd_count = 0
.     even_count = 0
.     for number in numbers:
.         if number % 2 == 0:
.             even_count += 1
.         else:
.             odd_count += 1
.     return odd_count, even_count
20
. numbers = []
. for i in range(10):
23 |     number = int(input(f"Enter number {i+1}: "))
|     numbers.append(number)
```

module1 classwork.py

module2.py

module1



Python Interpreter

```
Enter number 2: 2
Enter number 3: 5
Enter number 4: 6
Enter number 5: 7
Enter number 6: 8
Enter number 7: 9
Enter number 8: 12
Enter number 9: 666
Enter number 10: 8888
>>>
```

Ready

Python 3.12 (64-bit)

Remote TK

23:1

Modified

Insert



12°C
Smoke



Search



ENG
UK

10:54 pm
09/01/2024

PyScripter - module2*

File Edit Search View Project Run Tools Help



```
10 #
11
12 def fibonacci_series(n):
13     series = []
14     if n <= 0:
15         return series
16     elif n == 1:
17         series.append(0)
18         return series
19     elif n == 2:
20         series.append(0)
21         series.append(1)
22         return series
23     else:
24         series = [0, 1]
25         for i in range(2, n):
26             series.append(series[i-1] + series[i-2])
27     return series
```

module1 classwork.py

module2.py

module1

module2



Python Interpreter

```
>>>
>>>
>>>
>>>
*** Remote Interpreter Reinitialized ***
Enter the number of terms in the Fibonacci series: 4
The Fibonacci series is:
0 1 1 2
>>>
```

Python 3.12 (64-bit)

Remote TK

12:25

Modified

Insert



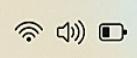
12°C
Smoke



Search



ENG
UK



10:59 pm
09/01/2024

File Edit Search View Project Run Tools Help



```
#  
# Name:      module2  
# Purpose:  
#  
# Author:     Dell 5490  
#  
# Created:   07/01/2024  
# Copyright: (c) Dell 5490 2024  
# Licence:    <your licence>  
#  
#challenge1  
def calculate_rectangle_area(length, width):  
    area = length * width  
    return area
```

10

15

module1 classwork.py

module2.py x



Python Interpreter

```
*** Python 3.12.0 (tags/v3.12.0:0fb18b0, Oct  2 2023, 13:03:39) [MSC v.1935 64 bit (AMD64)] on win32. ***  
*** Remote (Tk) Python engine is active ***  
>>>  
*** Remote Interpreter Reinitialized ***  
>>>  
*** Remote Interpreter Reinitialized ***  
>>>  
*** Remote Interpreter Reinitialized ***  
>>>
```

Python 3.12 (64-bit)

Remote TK

15:1

Insert

 12°C
Smoke

Search

ENG
UK10:32 pm
11/01/2024

PyScripter - module1*

File Edit Search View Project Run Tools Help



```
#  
# Name:      module1  
# Purpose:  
#  
# Author:     Dell 5490  
#  
# Created:   11/01/2024  
# Copyright: (c) Dell 5490 2024  
# Licence:   <your licence>  
10 #  
  
12 def check_even_odd(number):  
13     if number % 2 == 0:  
14         return "Even"  
15     else:  
16         return "Odd"
```

module1



Python Interpreter

```
*** Remote Interpreter Reinitialized ***  
>>>  
*** Remote Interpreter Reinitialized ***  
>>>
```

Python 3.12 (64-bit)

Remote TK

12:5

Modified

Insert



12°C
Smoke



Search



ENG
UK

Wi-Fi
Speaker
Battery

10:35 pm
11/01/2024

PyScripter - module1*

File Edit Search View Project Run Tools Help



```
7 # Created:    13/01/2024
. # Copyright:   (c) Dell 5490 2024
. # Licence:     <your licence>
10 #
. item1_quantity = int(input("Enter the quantity of item 1: "))
item1_price = float(input("Enter the price of item 1: "))

. item2_quantity = int(input("Enter the quantity of item 2: "))
item2_price = float(input("Enter the price of item 2: "))
item3_quantity = int(input("Enter the quantity of item 3: "))
item3_price = float(input("Enter the price of item 3: "))

. # Calculate the total cost
20 total_cost = (item1_quantity * item1_price) + (item2_quantity * item2_price) + (item3_quantity * item3_price)

. # Apply discounts if applicable
. if total_cost ≥ 100 and total_cost ≤ 200:
.     item3_price = float(input("Enter the price of item 3: "))


```

module1



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***
Enter the quantity of item 1: 22
Enter the price of item 1: 20000
Enter the quantity of item 2: 40
Enter the price of item 2: 80
Enter the quantity of item 3: 50
Enter the price of item 3: 39
Total cost: $ 400635.0
>>>
```

Python 3.12 (64-bit)

Remote TK

7:1

Modified

Insert



Search



ENG
UK



5:24 am
13/01/2024

PyScripter - module1*

File Edit Search View Project Run Tools Help



```
if total_cost ≥ 100 and total_cost ≤ 200:  
    item3_price = float(input("Enter the price of item 3: "))  
  
# Calculate the total cost  
total_cost = (item1_quantity * item1_price) + (item2_quantity * item2_price) + (item3_quantity * item3_price)  
  
# Apply discounts if applicable  
30 if total_cost ≥ 100 and total_cost ≤ 200:  
    total_cost *= 0.95 # 5% discount  
elif total_cost > 200:  
    total_cost *= 0.9 # 10% discount  
  
# Print the total cost  
print("Total cost: $", total_cost)
```

40

module1



Python Interpreter

```
>>>  
*** Remote Interpreter Reinitialized ***  
Enter the quantity of item 1: 22  
Enter the price of item 1: 20000  
Enter the quantity of item 2: 40  
Enter the price of item 2: 80  
Enter the quantity of item 3: 50  
Enter the price of item 3: 39  
Total cost: $ 400635.0
```

>>>

Python 3.12 (64-bit)

Remote TK

10:1

Modified

Insert



Search



ENG
UK



5:24 am
13/01/2024

PyScripter - module2*

File Edit Search View Project Run Tools Help



```
10 # Licence:      <your licence>
#
# Prompt the user to enter a temperature in Celsius
temperature_celsius = float(input("Enter a temperature in Celsius: "))

# Check if the temperature is below freezing or above 30°C
if temperature_celsius ≤ 0:
    print("It's below freezing! Remember to wear warm clothes.")
elif temperature_celsius > 30:
    print("It's hot outside! Remember to stay hydrated.")

# Convert the temperature to Fahrenheit
temperature_fahrenheit = (temperature_celsius * 9/5) + 32

# Print the converted temperature in Fahrenheit
print("Temperature in Fahrenheit:", temperature_fahrenheit)

26 |
```

module1

module2



Python Interpreter

```
Enter the price of item 2: 80
Enter the quantity of item 3: 50
Enter the price of item 3: 39
Total cost: $ 400635.0
>>>
>>>
*** Remote Interpreter Reinitialized ***
Enter a temperature in Celsius: 5
Temperature in Fahrenheit: 41.0
>>>
```

Ready

Python 3.12 (64-bit)

Remote TK

26:1

Modified

Insert



Search



ENG
UK



5:31 am
13/01/2024

PyScripter - module3*

File Edit Search View Project Run Tools Help



```
1 # Created:    13/01/2024
2 # Copyright:   (c) Dell 5490 2024
3 # Licence:     <your licence>
4 #
5 names_list = []
6
7 # Prompt the user to add names to the list
8 for i in range(3):
9     name = input("Enter a name: ")
10    names_list.append(name)
11
12 # Print the list of names
13 print("List of names:", names_list)
14
15 # Check if a specific name is in the list
16 specific_name = input("Enter a name to check: ")
17 if specific_name in names_list:
18     print(specific_name, "is in the list!")
19 else:
20     print(specific_name, "is not in the list!")
```

module1

module2

module3



Python Interpreter

```
Temperature in Fahrenheit: 41.0
>>>
*** Remote Interpreter Reinitialized ***
Enter a name: vingus
Enter a name: ghanwa
Enter a name: sanam
List of names: ['vingus', 'ghanwa', 'sanam']
Enter a name to check: maira
maira is not in the list.
>>>
```

Python 3.12 (64-bit)

Remote TK

28:1

Modified

Insert



Search



ENG
UK



5:33 am
13/01/2024

PyScripter - module3*

File Edit Search View Project Run Tools Help



```
names_list = []

# Prompt the user to add names to the list
for i in range(3):
    name = input("Enter a name: ")
    names_list.append(name)

# Print the list of names
print("List of names:", names_list)

# Check if a specific name is in the list
specific_name = input("Enter a name to check: ")
if specific_name in names_list:
    print(specific_name, "is in the list!")
else:
    print(specific_name, "is not in the list.")


```

28

module1 module2

module3



Python Interpreter

```
Temperature in Fahrenheit: 41.0
>>>
*** Remote Interpreter Reinitialized ***
Enter a name: vingus
Enter a name: ghanwa
Enter a name: sanam
List of names: ['vingus', 'ghanwa', 'sanam']
Enter a name to check: maira
maira is not in the list.
>>>
```

Python 3.12 (64-bit)

Remote TK

28:1

Modified

Insert



Search



ENG
UK



5:34 am
13/01/2024

PyScripter - module4*

File Edit Search View Project Run Tools Help



```
- # Author:      Dell 5490
. #
. # Created:    13/01/2024
. # Copyright:   (c) Dell 5490 2024
. # Licence:     <your licence>
10 #
. def factorial(n):
.     result = 1
.     for i in range(1, n+1):
.         result *= i
.     return result
.
. # Test the function by finding the factorial of 5
. number = 5
. factorial_result = factorial(number)
20 print("The factorial of", number, "is", factorial_result)
.
22
```

module1 module2 module3 module4



Python Interpreter

```
Enter a name: vingus
Enter a name: ghanwa
Enter a name: sanam
List of names: ['vingus', 'ghanwa', 'sanam']
Enter a name to check: maira
maira is not in the list.
>>>
*** Remote Interpreter Reinitialized ***
The factorial of 5 is 120
>>>
```

Run active module

Python 3.12 (64-bit)

Remote TK

22:1

Modified

Insert



Search



ENG
UK



5:35 am
13/01/2024

PyScripter - module5*

File Edit Search View Project Run Tools Help



```
10 # Copyright: (c) Dell 5490 2024
# Licence: <your licence>
#
11 def is_palindrome(word):
12     # Reverse the word
13     reversed_word = word[::-1]
14
15     # Check if the reversed word is equal to the original word
16     if word == reversed_word:
17         return True
18     else:
19         return False
20
21 # Test the function with the word "level"
22 word = "level"
23 if is_palindrome(word):
24     print(word, "is a palindrome!")
25 else:
26     print(word, "is not a palindrome!")
```

module1 module2 module3 module4 module5



Python Interpreter

```
List of names: ['vingus', 'ghanwa', 'sanam']
Enter a name to check: maira
maira is not in the list.
>>>
*** Remote Interpreter Reinitialized ***
The factorial of 5 is 120
>>>
*** Remote Interpreter Reinitialized ***
level is a palindrome!
>>>
```

Python 3.12 (64-bit)

Remote TK

28:1

Modified

Insert



Search

ENG
UK5:39 am
13/01/2024

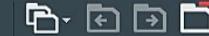
PyScripter - module5*

File Edit Search View Project Run Tools Help



```
20
21     # Reverse the word
22     reversed_word = word[::-1]
23
24     # Check if the reversed word is equal to the original word
25     if word == reversed_word:
26         return True
27     else:
28         return False
29
30     # Test the function with the word "level"
31     word = "level"
32     if is_palindrome(word):
33         print(word, "is a palindrome!")
34     else:
35         print(word, "is not a palindrome.")
```

module1 module2 module3 module4 module5



Python Interpreter

```
List of names: ['vingus', 'ghanwa', 'sanam']
Enter a name to check: maira
maira is not in the list.
>>>
*** Remote Interpreter Reinitialized ***
The factorial of 5 is 120
>>>
*** Remote Interpreter Reinitialized ***
level is a palindrome!
>>>
```

Python 3.12 (64-bit)

Remote TK

29:1

Modified

Insert



Search

ENG
UK5:39 am
13/01/2024

PyScripter - module6*

File Edit Search View Project Run Tools Help



```
20     }
    inventory.append(item)

21
22 # Add items to the inventory
23 add_item("Apple", 10, 1.5)
24 add_item("Banana", 15, 0.75)
25 add_item("Orange", 8, 2.0)

26
27 # Print the inventory
28 print("Inventory:")
29 for item in inventory:
30     print("Name:", item["name"])
31     print("Quantity:", item["quantity"])
32     print("Price:", item["price"])
33     print()

34 # Calculate the total value of the inventory
35 total_value = 0
36 for item in inventory:
```

module1 module2 module3 module4 module5 module6



Python Interpreter

```
Name: Banana
Quantity: 15
Price: 0.75
```

```
Name: Orange
Quantity: 8
Price: 2.0
```

```
Total Value of Inventory: 42.25
```

```
>>>
```

Python 3.12 (64-bit)

Remote TK

14:1

Modified

Insert



Search



ENG
UK



5:41 am
13/01/2024

PyScripter - module6*

File Edit Search View Project Run Tools Help



```
20     "name": name,
...     "quantity": quantity,
...     "price": price
}
inventory.append(item)
```

```
# Add items to the inventory
add_item("Apple", 10, 1.5)
add_item("Banana", 15, 0.75)
add_item("Orange", 8, 2.0)
```

```
# Print the inventory
print("Inventory:")
for item in inventory:
    print("Name:", item["name"])
    print("Quantity:", item["quantity"])
    print("Price:", item["price"])
    print()
```

module1 module2 module3 module4 module5 module6



Python Interpreter

```
Name: Banana
Quantity: 15
Price: 0.75
```

```
Name: Orange
Quantity: 8
Price: 2.0
```

```
Total Value of Inventory: 42.25
```

```
>>>
```

Python 3.12 (64-bit)

Remote TK

33:1

Modified

Insert



Search



ENG
UK



5:41 am
13/01/2024

PyScripter - module7*

File Edit Search View Project Run Tools Help



```
- # Author:      Dell 5490
·
·
· # Created:    13/01/2024
· # Copyright:   (c) Dell 5490 2024
· # Licence:     <your licence>
10 #
11 def calculate_ticket_price(age, day):
12     adult_price = 10
13     child_price = 5
14     senior_price = 7.5
15
16     if age ≥ 18 and age < 65:
17         if day.lower() == "weekday":
18             return adult_price
19         else:
20             return adult_price + 2
21     elif age < 18:
22         if day.lower() == "weekday":
23             return child_price
24
```

module1 module2 module3 module4 module5 module6 module7



Python Interpreter

```
Total Value of Inventory: 42.25
>>>

>>>
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
The ticket price is: 12
>>>
```

Python 3.12 (64-bit)

Remote TK

14:2

Modified

Insert

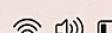
5:55 am
13/01/2024



Search



ENG
UK



PyScripter - module7*

| File Edit Search View Project Run Tools Help

|

if day.lower() == "weekday":
 return adult_price
else:
 return adult_price + 2
elif age < 18:
 if day.lower() == "weekday":
 return child_price
 else:
 return child_price + 2
else:
 if day.lower() == "weekday":
 return senior_price
 else:
 return senior_price + 2

Test the function
age = int(input("Enter your age: "))
day = input("Enter the day of the week (weekday/weekend): ")
ticket_price = calculate_ticket_price(age, day)

module1 module2 module3 module4 module5 module6 module7



Python Interpreter

```
Total Value of Inventory: 42.25
>>>

>>>
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
The ticket price is: 12
>>>
```

Python 3.12 (64-bit)

Remote TK

34:1

Modified

Insert



Search



ENG
UK



5:56 am
13/01/2024

PyScripter - module7*

File Edit Search View Project Run Tools Help



```
·· elif age < 18:  
··     if day.lower() == "weekday":  
··         return child_price  
··     else:  
··         return child_price + 2  
·· else:  
··     if day.lower() == "weekday":  
··         return senior_price  
··     else:  
··         return senior_price + 2  
30  
·  
· # Test the function  
· age = int(input("Enter your age: "))  
· day = input("Enter the day of the week (weekday/weekend): ")  
· ticket_price = calculate_ticket_price(age, day)  
· print("The ticket price is:", ticket_price)  
38
```

module1 module2 module3 module4 module5 module6 module7



Python Interpreter

```
Total Value of Inventory: 42.25  
>>>  
  
>>>  
>>>  
*** Remote Interpreter Reinitialized ***  
Enter your age: 19  
Enter the day of the week (weekday/weekend): sunday  
The ticket price is: 12  
>>>
```

Python 3.12 (64-bit)

Remote TK

38:1

Modified

Insert



Search



ENG
UK



5:56 am
13/01/2024

PyScripter - module8*

| File Edit Search View Project Run Tools Help

|

10 #

```
def calculate_ticket_price(age, day, num_tickets):
    adult_price = 10
    child_price = 5
    senior_price = 7.5

    if age ≥ 18 and age < 65:
        if day.lower() == "weekday":
            price_per_ticket = adult_price
        else:
            price_per_ticket = adult_price + 2
    elif age < 18:
        if day.lower() == "weekday":
            price_per_ticket = child_price
        else:
            price_per_ticket = child_price + 2
    else:
        if day.lower() == "weekday":
            price_per_ticket = senior_price
        else:
```

module1 module2 module3 module4 module5 module6 module7 module8

Python Interpreter

```
Enter the day of the week (weekday/weekend): sunday
The ticket price is: 12
>>> |
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
Enter the number of tickets: 6

>>>
```

Python 3.12 (64-bit)

Remote TK



Search



ENG
UK



6:00 am
13/01/2024

PyScripter - module8*

File Edit Search View Project Run Tools Help



```
20     price_per_ticket = adult_price + 2
·     elif age < 18:
·         if day.lower() == "weekday":
·             price_per_ticket = child_price
·         else:
·             price_per_ticket = child_price + 2
·     else:
·         if day.lower() == "weekday":
·             price_per_ticket = senior_price
·         else:
·             price_per_ticket = senior_price + 2
30
total_price = price_per_ticket * num_tickets

# Apply discount for groups or family packages
if num_tickets ≥ 5:
    discount = 0.1 # 10% discount
    total_price -= total_price * discount
```

module1 module2 module3 module4 module5 module6 module7 module8



Python Interpreter

```
Enter the day of the week (weekday/weekend): sunday
The ticket price is: 12
>>>
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
Enter the number of tickets: 6
```

>>>

Python 3.12 (64-bit)

Remote TK



Search

ENG
UK6:00 am
13/01/2024

PyScripter - module7*

File Edit Search View Project Run Tools Help



```
def calculate_ticket_price(age, day):
    adult_price = 10
    child_price = 5
    senior_price = 7.5

    if age >= 18 and age < 65:
        if day.lower() == "weekday":
            return adult_price
        else:
            return adult_price + 2
    elif age < 18:
        if day.lower() == "weekday":
            return child_price
        else:
            return child_price + 2
    else:
        if day.lower() == "weekday":
            return senior_price
        else:
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
Enter the number of tickets: 6
```

```
>>>
*** Remote Interpreter Reinitialized ***
The total bill amount is: 38
>>>
```

Python 3.12 (64-bit)

Remote TK

38:1

Modified

Insert



7°C
Smoke



Search



ENG
UK



6:14 am
13/01/2024

PyScripter - module7*

File Edit Search View Project Run Tools Help



```
·· elif age < 18:
··     · if day.lower() == "weekday":
··         ·|    return child_price
··     · else:
··         ·|    return child_price + 2
·· else:
··     · if day.lower() == "weekday":
··         ·|    return senior_price
··     · else:
··         ·|    return senior_price + 2
30
·
·
# Test the function
· age = int(input("Enter your age: "))
· day = input("Enter the day of the week (weekday/weekend): ")
ticket_price = calculate_ticket_price(age, day)
print("The ticket price is:", ticket_price)
38
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
Enter the number of tickets: 6
```

```
>>>
*** Remote Interpreter Reinitialized ***
The total bill amount is: 38
>>>
```

Python 3.12 (64-bit)

Remote TK

38:1

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13/01/2024

PyScripter - module8*

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```
adult_price = 10
child_price = 5
senior_price = 7.5

if age ≥ 18 and age < 65:
    if day.lower() == "weekday":
        price_per_ticket = adult_price
    else:
        price_per_ticket = adult_price + 2
elif age < 18:
    if day.lower() == "weekday":
        price_per_ticket = child_price
    else:
        price_per_ticket = child_price + 2
else:
    if day.lower() == "weekday":
        price_per_ticket = senior_price
    else:
        price_per_ticket = senior_price + 2
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
Enter the number of tickets: 6
```

```
>>>
*** Remote Interpreter Reinitialized ***
The total bill amount is: 38
>>>
```

Python 3.12 (64-bit)

Remote TK

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PyScripter - module8*

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Python Script Editor

```
30     else:
31         price_per_ticket = senior_price + 2
32
33     total_price = price_per_ticket * num_tickets
34
35     # Apply discount for groups or family packages
36     if num_tickets ≥ 5:
37         discount = 0.1 # 10% discount
38         total_price -= total_price * discount
39
40     return total_price
41
42 # Test the modified function
43 age = int(input("Enter your age: "))
44 day = input("Enter the day of the week (weekday/weekend): ")
45 num_tickets = int(input("Enter the number of tickets: "))
46 ticket_price = calculate_ticket_price(age, day)
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***
Enter your age: 19
Enter the day of the week (weekday/weekend): sunday
Enter the number of tickets: 6
```

```
>>>
*** Remote Interpreter Reinitialized ***
The total bill amount is: 38
>>>
```

Python 3.12 (64-bit) | Remote TK | 44:1 | Modified | Insert |

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```
10 #  
11 def calculate_bill(items, quantities, prices):  
12     total_amount = 0  
13  
14     for i in range(len(items)):  
15         item_total = quantities[i] * prices[i]  
16         total_amount += item_total  
17  
18     return total_amount  
19  
20 # Test the function  
21 items = ["Pizza", "Burger", "Fries"]  
22 quantities = [2, 3, 1]  
23 prices = [10, 5, 3]  
24  
25 bill_amount = calculate_bill(items, quantities, prices)  
26 print("The total bill amount is:", bill_amount)  
27 |
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
Enter the number of tickets: 6
```

```
>>>  
*** Remote Interpreter Reinitialized ***  
The total bill amount is: 38  
>>>  
*** Remote Interpreter Reinitialized ***  
The total bill amount is: 11.97  
>>>  
*** Remote Interpreter Reinitialized ***
```

Python 3.12 (64-bit)

Remote TK

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PyScripter - module10*

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```
10 # Created: 13/01/2024
11 # Copyright: (c) Dell 5490 2024
12 # Licence: <your licence>
13 #
14 def calculate_bill(items, quantities, prices, discount=0, tax=0, num_friends=1):
15     total_amount = 0
16
17     for i in range(len(items)):
18         item_total = quantities[i] * prices[i]
19         total_amount += item_total
20
21     # Apply discount
22     total_amount -= total_amount * discount
23
24     # Apply tax
25     total_amount += total_amount * tax
26
27     # Split the bill among friends
28     if num_friends > 1:
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***

>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 2000
>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 14000
>>>
```

Python 3.12 (64-bit)

Remote TK

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PyScripter - module10*

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```
· · ·
· · ·
# Split the bill among friends
if num_friends > 1:
    total_amount /= num_friends

return total_amount

30 · · ·
# Test the modified function
items = ["Pizza", "Burger", "Fries"]
quantities = [2, 3, 1]
prices = [10, 5, 3]
discount = 0.1 # 10% discount
tax = 0.05 # 5% tax
num_friends = 3

38 · · ·
bill_amount = calculate_bill(items, quantities, prices, discount, tax, num_friends)
print("The total bill amount is:", bill_amount)
40 · · ·
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***

>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 2000
>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 14000
>>>
```

Python 3.12 (64-bit)

Remote TK

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PyScripter - module11*

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```
def estimate_travel_cost(destination, transportation_cost, accommodation_cost, activity_cost):
    total_cost = transportation_cost + accommodation_cost + activity_cost
    return total_cost

# Test the function
destination = "Paris"
transportation_cost = 500
accommodation_cost = 1000
activity_cost = 500
total_cost = estimate_travel_cost(destination, transportation_cost, accommodation_cost, activity_cost)
print("The estimated travel cost for", destination, "is $", total_cost)
```

10

12

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module1

module2

module3

module4

module5

module6

module7

module8

module9

module10

module11

module12



Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***

>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 2000
>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 14000
>>>
```

Python 3.12 (64-bit)

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PyScripter - module12*

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| A row of small icons for file operations like Open, Save, Print, Find, etc.

```
def estimate_travel_cost(destination, transportation_cost, accommodation_cost, activity_cost, travel_style, duration):
    if travel_style == "budget":
        total_cost = transportation_cost + accommodation_cost + activity_cost
    elif travel_style == "luxury":
        total_cost = 2 * (transportation_cost + accommodation_cost + activity_cost)
    else:
        return "Invalid travel style. Please choose between 'budget' and 'luxury'."

    total_cost *= duration
    return total_cost

# Test the updated function
destination = "Paris"
transportation_cost = 500
accommodation_cost = 1000
activity_cost = 500
travel_style = "budget"
duration = 7
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12

Python Interpreter

```
>>>
*** Remote Interpreter Reinitialized ***

>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 2000
>>>
*** Remote Interpreter Reinitialized ***
The estimated travel cost for Paris is $ 14000
>>>
```

Python 3.12 (64-bit) | Remote TK | 30:1 | Modified | Insert |

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PyScripter - module12*

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```
20     else:  
21         return "Invalid travel style. Please choose between 'budget' and 'luxury'."  
22  
23     total_cost *= duration  
24     return total_cost  
25  
26 # Test the updated function  
27 destination = "Paris"  
28 transportation_cost = 500  
29 accommodation_cost = 1000  
30 activity_cost = 500  
31 travel_style = "budget"  
32 duration = 7  
33  
34 total_cost = estimate_travel_cost(destination, transportation_cost, accommodation_cost, activity_cost, travel_style, duration)  
35 print("The estimated travel cost for", destination, "is $", total_cost)
```

module1 module2 module3 module4 module5 module6 module7 module8 module9 module10 module11 module12



Python Interpreter

```
>>>  
*** Remote Interpreter Reinitialized ***  
  
>>>  
*** Remote Interpreter Reinitialized ***  
The estimated travel cost for Paris is $ 2000  
>>>  
*** Remote Interpreter Reinitialized ***  
The estimated travel cost for Paris is $ 14000  
>>>
```

Python 3.12 (64-bit)

Remote TK

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