Chapter 5 - Exercise

File   Edit   Format   Run   Options   Window   Help

```
1  model = int(input("Enter model# 100, 200,or 300: "))
2  def is_invalid(mod_num):
3      if mod_num != 100 and model !=200 and model !=300:
4          status = True
5      else:
6          status = False
7      return status
8  while is_invalid(model):               #validate the model number.
9      print("You have entered an incorrect number. ")
10     print("The valid model numbers are 100, 200, and 300: ")
11     model = int(input("Enter a valid model number: "))
12
13 print(f"Model number is: ", model)
```

IDLE Shell 3.13.4

File   Edit   Shell   Debug   Options   Window   Help

```
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun  3 2025, 17:46:04) [MSC v.1943 64 bit (AM
D64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
= RESTART: C:/Users/wprado/Desktop/Python/Chapter 4/2025-06-20 - Value -returning
function 11.1.py
Enter model# 100, 200,or 300: 199
Model number is:  199
```

File   Edit   Format   Run   Options   Window   Help

```
1  def is_even(number):
2      if (number % 2)==0:
3          status = True
4      else:
5          status = False
6      return status
7
8  number = int(input("Enter a number: "))
9  if is_even(number):
10     print("The number is even.")
11 else:
12     print("The number is odd. ")
```

IDLE Shell 3.13.4

File   Edit   Shell   Debug   Options   Window   Help

```
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun  3 2025, 17:46:04) [MSC v.1943 64 bit (A
MD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
= RESTART: C:/Users/wprado/Desktop/Python/Chapter 4/2025-06-20 - Value -returning
function 10.py
Enter a number: 5
The number is odd.
>>>
```

File Edit Format Run Options Window Help

```
def get_name():
    name = input ("Enter your name: ")        #Get the user name
    return name    #return the name
print(get_name())
```

IDLE Shell 3.13.4

File Edit Shell Debug Options Window Help

```
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun  3 2025, 17:46:04) [MSC v.1943 64 bit (A
MD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
= RESTART: C:/Users/wprado/Desktop/Python/Chapter 4/2025-06-20 - Value -returning
function 9.py
Enter your name: Willian
Willian
>>>
```

File Edit Format Run Options Window Help

```
def get_regular_price():
    price = float(input("Enter items's regular price: $"))
    return float(input("Enter items's regular price: $"))


#get item's regular price
reg_price = get_regular_price()
print("Regular price for item is: $", reg_price)
```

IDLE Shell 3.13.4

File Edit Shell Debug Options Window Help

```
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun  3 2025, 17:46:04) [MSC v.1943 64 bit (
AMD64)] on win32
Enter "help" below or click "Help" above for more information.
>>>
== RESTART: C:/Users/wprado/Desktop/Python/Chapter 4/2025-06-20 - Value 7.1.py =
Enter items's regular price: $15
Enter items's regular price: $13
Regular price for item is: $ 13.0
>>>
```

Activate Windows

2025-06-20 - Passing Multiple Arguments to Functions 6.py - C:/Users/wprado/Desktop/Python/Chapter 4/2025-06-2...

File   Edit   Format   Run   Options   Window   Help

```python
def main():
    first_age = int(input("Enter your age: "))
    second_age = int(input("Enter your best friend'
    total = sum(first_age, second_age)
    print(f"Together you are {total} years old.")

print('_____')

def sum(num1, num2):
    result=num1 + num2
    return result
print('_____')

def sum(num1, num2):
    result = num1 + num2
    return result

main()    #Call the main function.
```

```
Python 3.13.4 (tags/v3.13.4:8a
26ec, Jun  3 2025, 17:46:04) [
SC v.1943 64 bit (AMD64)] on w
n32
Enter "help" below or click "H
lp" above for more information

= RESTART: C:/Users/wprado/Des
top/Python/Chapter 4/2025-06-2
-  Passing Multiple Arguments
o Functions 6.py
_____

_____
Enter your age: 28
Enter your best friend's age:
0
Together you are 58 years old.
```

```python
# design program calculate sales price of item in retail

def get_regular_price():
    price = float(input("Enter items's regular price: $"))
    return price


#get item's regular price
reg_price = get_regular_price()
print("Regular price for item is: $", reg_price)
```

```
Python 3.13.4 (tags/v3.13.4:8a526ec, Jun  3 2025, 17:46:04) [MSC v.1943 64 bit (
AMD64)] on win32
Enter "help" below or click "Help" above for more information.

=== RESTART: C:/Users/wprado/Desktop/Python/Chapter 4/2025-06-20 - Value 7.py ==
Enter items's regular price: $15
Regular price for item is: $ 15.0
```