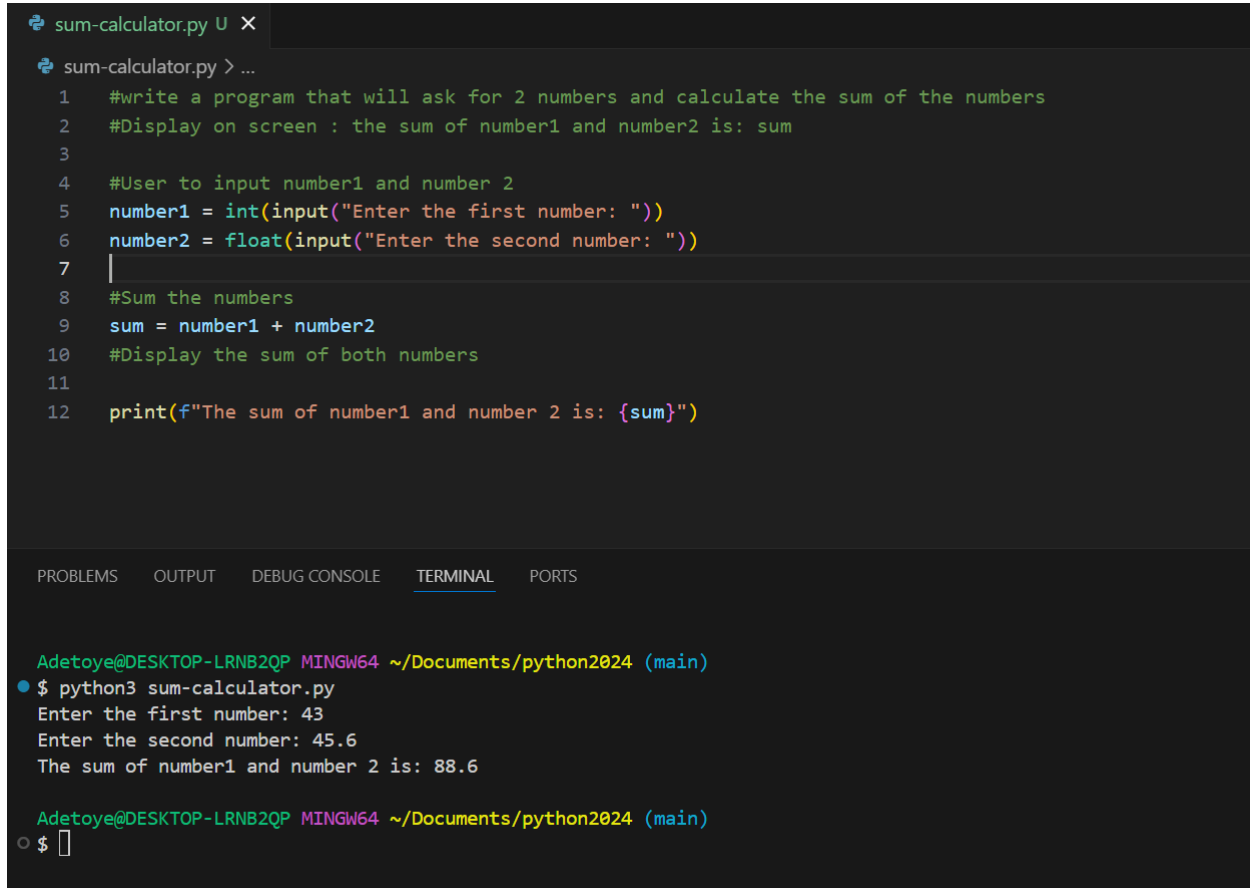


LAB-CAKES

#write a program that will ask for 2 numbers and calculate the sum of the numbers

#Display on screen : the sum of number1 and number2 is: sum



The screenshot shows a code editor with a file named 'sum-calculator.py'. The code is as follows:

```
1 #write a program that will ask for 2 numbers and calculate the sum of the numbers
2 #Display on screen : the sum of number1 and number2 is: sum
3
4 #User to input number1 and number 2
5 number1 = int(input("Enter the first number: "))
6 number2 = float(input("Enter the second number: "))
7
8 #Sum the numbers
9 sum = number1 + number2
10 #Display the sum of both numbers
11
12 print(f"The sum of number1 and number 2 is: {sum}")
```

Below the code editor is a terminal window. The terminal shows the command to run the program and its output:

```
Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)
$ python3 sum-calculator.py
Enter the first number: 43
Enter the second number: 45.6
The sum of number1 and number 2 is: 88.6

Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)
$
```

#write a program that will ask for a user body weight in pound (lbs) and convert it to kilogram(kg)

#Display on the screen, Your body weight in lbs and the equivalent in kgs is weight kg

#only display 3 decimal digit

```
body-weight-converor.py > ...
1  #write a program that will ask for a user body weight in pound (lbs) and convert it to kilogram(kg)
2  #Display on the screen, Your body weight in lbs and the equivalent in kgs is weight kg
3  #only display 3 decimal digit
4
5  #Input your weight
6
7  weight = float(input("What is your body weight in lbs: "))
8  new_weight_kg = weight * 0.453592
9
10 #print the output
11 print(f"Your body weight is: {weight} in lbs and the equivalent in kgs is: {new_weight_kg:.3f} kg")
```

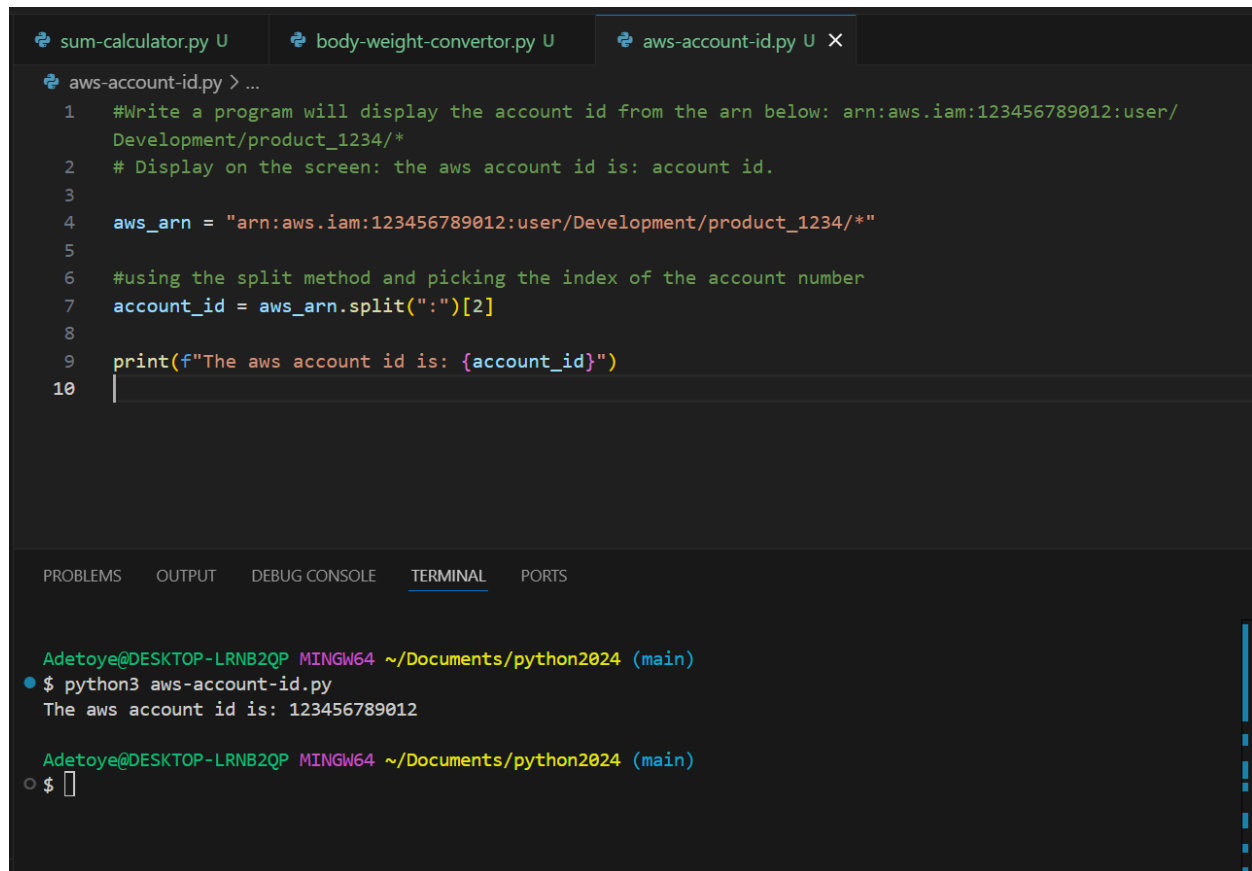
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)
• $ python3 body-weight-converor.py
What is your body weight in lbs: 190
Your body weight is: 190.0 in lbs and the equivalent in kgs is: 86.182 kg

Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)
○ $
```

#Write a program will display the account id from the arn below:
arn:aws.iam:123456789012:user/Development/product_1234/*

Display on the screen: the aws account id is: account id.



The image shows a code editor with three tabs: 'sum-calculator.py U', 'body-weight-converto.py U', and 'aws-account-id.py U X'. The 'aws-account-id.py U' tab is active, displaying a Python script. The script's purpose is to extract the account ID from an AWS ARN. It defines a variable 'aws_arn' with the value 'arn:aws.iam:123456789012:user/Development/product_1234/*'. It then uses the 'split' method to separate the ARN into parts, with the account ID being the third part (index 2). Finally, it prints the account ID using an f-string.

```
1 #Write a program will display the account id from the arn below: arn:aws.iam:123456789012:user/
  Development/product_1234/*
2 # Display on the screen: the aws account id is: account id.
3
4 aws_arn = "arn:aws.iam:123456789012:user/Development/product_1234/*"
5
6 #using the split method and picking the index of the account number
7 account_id = aws_arn.split(":")[2]
8
9 print(f"The aws account id is: {account_id}")
10
```

Below the code editor is a terminal window with tabs for 'PROBLEMS', 'OUTPUT', 'DEBUG CONSOLE', 'TERMINAL', and 'PORTS'. The 'TERMINAL' tab is active, showing the execution of the script. The prompt is 'Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)'. The command '\$ python3 aws-account-id.py' is entered, and the output is 'The aws account id is: 123456789012'. A second prompt shows the user at the shell '\$ '.

```
Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)
● $ python3 aws-account-id.py
The aws account id is: 123456789012

Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)
○ $
```

#write a program that will ask for a word and reverse the word

#display on the screen your word is:word and the reverse is reverse_word

reverse_word.py > ...

```
1  #write a program that will ask for a word and reverse the word
2  #display on the screen your word is:word and the reverse is reverse_word
3
4  #ask user for a word
5  word = input("What word do you want reversed:\n")
6
7  #Using the reversed method to reverse the word
8  reverse_word = ''.join(reversed(word))
9
10 #Print the output
11 print(f"Your word is: {word} and the reverse is {reverse_word}")
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

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● \$ python3 reverse_word.py

What word do you want reversed:

Telephone

Your word is: Telephone and the reverse is enohpeleT

Adetoye@DESKTOP-LRNB2QP MINGW64 ~/Documents/python2024 (main)

○ \$