

Nina Ngouabou

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Python Cake Labs

CloudSpace Academy

LAB 1

Write a program that will ask for two numbers and calculate the sum of those numbers

```
1 # Write a program that will ask for two numbers and calculate the sum of those numbers
2 |
3 number1 = int(input('Enter your first number:\n'))
4
5 number2 = float(input('Enter your second number:\n'))
6
7 sum = number1 + number2
8
9 print (f"The sum of {number1} + {number2} is : {sum}")
10
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS GITLENS COMMENTS

```
WIN10@DESKTOP-OL1M38 MINGW64 ~/Documents/CloudFormation/python (master)
● $ python Labcake1
Enter your first number:
38
Enter your second number:
76.82
The sum of 38 + 76.82 is : 114.82
```

LAB 2

Write a program that will ask for a user body weight in pound and convert it in kilogram

```

1 # Write a program that will ask for a user body weight in pound and convert it in kilogram
2
3 weight_in_lbs = float(input('Whats your body weight in lbs?:\t'))
4
5 # Convert pounds to kilograms
6
7 weight_in_kg = weight_in_lbs * 0.433992
8
9 # Print the result rounded to 3 decimal places using the format specifier f"{value:nf}" to round the result to 3 decimal places
10
11 print(f'Your body weight is {weight_in_lbs} in pound, and the equivalent is {weight_in_kg:.3f} in kg. Thank you')

```

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```

WIN10@DESKTOP-OL1MV38 MINGW64 ~/Documents/CloudFormation/Python (master)
• $ python Labcake2.py
Whats your body weight in lbs?: 155.78
Your body weight is 155.78 in pound, and the equivalent is 67.607 in kg. Thank you

```

LAB 3

Write a program that will display the account ID from the arn below: Display on the screen the account ID is account_id

```

1 # Write a program that will display the account ID from the arn below: Display on the screen the account ID is account_id
2
3 # The ID number is the 5th part of this arn, therefore we will use the split function to extract the ID number
4
5 arn = "arn:aws:iam::123456789012:user/Development/product_1234/"
6
7 # Here we are using index 4 because in Python, lists are 0-indexed
8
9 account_id = arn.split(':')[4]
10
11
12 print(f"The account ID is: {account_id} ")

```

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```

WIN10@DESKTOP-OL1MV38 MINGW64 ~/Documents/CloudFormation/Python (master)
• $ python Labcake3.py
The account ID is: 123456789012

```

LAB 4

```
# Write a program that will ask for a word and reverse the word
```

```
1  # Write a program that will ask for a word and reverse the word
2
3  # The input function will let the user say something
4  word = (input('say something:\n'))
5
6  # Using the slicing method (string[::-1])to reverse the world the user will choose
7
8  reverse_word = (word[::-1])
9
10 print (f'Your word is:{word}, and the reverse is:{reverse_word}.')
11
```

PROBLEMS OUTPUT DEBUG CONSOLE **TERMINAL** PORTS GITLENS COMMENTS

WIN10@DESKTOP-OL1MV38 MINGW64 ~/Documents/CloudFormation/Python (master)

```
• $ python labcake4.py
say something:
Life is beautiful
Your word is:Life is beautiful, and the reverse is:lufituaeb si efil.
```