+\*In[1]:\*+

[source, ipython3]

----

'''1- write a program which takes 2 inputs from the user : weight(kg) and height(meter) and prints the BMI in the output.

BMI = weight / (square of height)'''

weight=float(input("Enter the weight: "))

height=float(input("Enter the height: "))

BMI=weight/height\*\*2

print("Your BMI is: ",BMI)

----

+\*Out[1]:\*+

----

Enter the weight: 98

Enter the height: 1.73

Your BMI is: 32.74416118146279

----

+\*In[2]:\*+

[source, ipython3]

----

'''2- write a program which takes the name of the user as input and replace all the occurence of character

'a' in the name to 'b' and print it.'''

name=input("Enter your name: ")

updated\_name=name.replace('a','b')

print("The updated name: ",updated\_name)

----

+\*Out[2]:\*+

----

Enter your name: suashavana

The updated name: subshbvbnb

----

+\*In[4]:\*+

[source, ipython3]

----

'''3- write a program which takes 2 inputs from user as principle amount (int) and rate of annual interest (float)

and print the expected total amount after 2 years.

example : principle : 100 , interest percent 10 then amount after 2 years will be : 100\*1.1\*1.1 = 121'''

principle\_amount=int(input("Enter the principle amount: "))

annual\_interest=float(input("Enter the rate of interest: "))

expected\_total\_amount=(principle\_amount+principle\_amount\*(annual\_interest/100))\*2

print("expected total amount after 2 years: ",expected\_total\_amount)

----

+\*Out[4]:\*+

----

Enter the principle amount: 100

Enter the rate of interest: 10

expected total amount after 2 years: 220.0

----

+\*In[5]:\*+

[source, ipython3]

----

'''4- write a program which takes city name from user input. irrespective of in which case user enters the city name,

print the city name in camel case meaning first letter should be capital and rest in small.

example : input : MYSORE , print - > Mysore '''

city=input("Enter the city name: ")

print(city.capitalize())

----

+\*Out[5]:\*+

----

Enter the city name: delhi

Delhi

----

+\*In[7]:\*+

[source, ipython3]

----

'''5- write a program which takes the name of the user as input and print the index of character 'a' in the string.

if 'a' is not there then return -1.'''

name=input("Enter your name: ")

print(name.find('a'))

----

+\*Out[7]:\*+

----

Enter your name: xqwerty

-1

----

+\*In[8]:\*+

[source, ipython3]

----

'''6- Display the number of letters in the below string

my\_word = "antidisestablishmentarianism"'''

my\_word = "antidisestablishmentarianism"

print(len(my\_word))

----

+\*Out[8]:\*+

----

28

----

+\*In[13]:\*+

[source, ipython3]

----

'''7- take 3 inputs from user : first name , last name and age . Display the information in below format

exmaple

first name : MOhit

last name : sharma

age 32

Display : my name is Mohit Sharma and I am 32 years old.

note that first letter of first name and last name both should be in capital letters and rest in small. '''

first\_name=input("Enter your first name: ").capitalize()

last\_name=input("Enter your last name: ").capitalize()

age=int(input("Enter your age: "))

print("first name: ",first\_name)

print("last name: ",last\_name)

print("age: ",age)

print("-"\*50)

print("my name is ",first\_name,last\_name," and I am ",age, "years old")

----

+\*Out[13]:\*+

----

Enter your first name: sushovan

Enter your last name: ashe

Enter your age: 32

first name: Sushovan

last name: Ashe

age: 32

--------------------------------------------------

my name is Sushovan Ashe and I am 32 years old

----

+\*In[15]:\*+

[source, ipython3]

----

'''8-take 3 inputs from user : first name , last name and company name. create the email alias for the user and display it.

Email alias is first 2 letters of first name , last 3 letters of last name and @company.com

example

first name : MOhit

last name : sharma

company : infosys

Display : morma@infosys.com

note full email id should -be in lower case'''

first\_name=input("Enter your first name: ")

last\_name=input("Enter your last name: ")

company\_name=input("Enter your company name: ")

email=first\_name[0:2]+last\_name[-3:]

print(email,"@",company\_name,".com")

----

+\*Out[15]:\*+

----

Enter your first name: sonu

Enter your last name: ashe

Enter your company name: onix

soshe @ onix .com

----

+\*In[ ]:\*+

[source, ipython3]

----

----

+\*In[ ]:\*+

[source, ipython3]

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