

In [11]: *# write a program which takes 2 inputs from the user : weight(kg) and height(meter)*

```
weight = float(input("enter your weight(kg): "))
height = float(input("enter your height(meter): "))
print(f"Your weight is {weight} and your height is {height}")
BMI = weight / (height ** 2)
print(f"Your BMI is {BMI:.2f}")
```

```
enter your weight(kg): 62
enter your height(meter): 1.77
Your weight is 62.0 and your height is 1.77
Your BMI is 19.79
```

In [15]: *# write a program which takes the name of the user as input and replace all the occ
character 'a' in the name to 'b' and print it.*

```
name = input("enter your name:")
x = name.replace("a", "b")
print(x)
```

```
enter your name:vasanth
vbsbnth
```

In [22]: *# 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 yea*

```
principle = int(input("enter the principle amount: "))
rate_of_annual_interest = float(input("enter the rate of annual interest: "))
Period = int(input("enter the number of years: "))
Interest_rate = rate_of_annual_interest / 100
Total_amount = principle * ((1+Interest_rate) ** Period)
print(f"Total expected total amount after {Period} years is {Total_amount:.2f}")
```

```
enter the principle amount: 100000
enter the rate of annual interest: 5
enter the number of years: 2
Total expected total amount after 2 years is 110250.00
```

In [24]: *'''write a program which takes city name from user input. irrespective of in which
print the city name in camel case meaning first letter should be capital and rest i*

```
city = input("enter city name: ")
city = city.capitalize()
print(city)
```

```
enter city name: CHENNAI
Chennai
```

In [29]: *'''write a program which takes the name of the user as input and print the index of
if 'a' is not there then return -1.'''*

```
name = input("enter the name: ")
name = name.find("a")
print(f"Index of character a: {name}")
```

```
enter the name: teddy
Index of character a: -1
```

In [31]: *# Display the number of letters in the below string*

```
my_word = "antidisestablishmentarianism"
print(len(my_word))
```

```
In [36]: # take 3 inputs from user : first name , last name and age

first_name = input("enter your first_name: ").capitalize()
last_name = input("enter your last_name: ").capitalize()
age = int(input("enter your age: "))
print(f"my name is {first_name} {last_name} and I am {age} years old.")

enter your first_name: mohit
enter your last_name: sharma
enter your age: 32
my name is Mohit Sharma and I am 32 years old.
```

```
In [40]: '''take 3 inputs from user : first name , last name and company name. create the email
Email alias is first 2 letters of first name , last 3 letters of last name and @company.com'''

first_name = input("enter first_name : ").lower()
last_name = input("enter last_name : ").lower()
company_name = input("enter company_name : ").lower()
a = first_name[:2] + last_name[-3:]
print(f"Your email id: {a}@{company_name}.com")

enter first_name : RAHu1
enter last_name : DRavid
enter company_name : AMAZON
Your email id: ravid@amazon.com
```

```
In [ ]:
```