In [13]:

```
#Task No:01

def fraction_part (number1, number2):
    if number1 == 0 or number2 == 0:
        return 0
    else:
        division= number1 / number2
        floor_division= number1 // number2
        fraction_part = division - floor_division
        return fraction_part

print(fraction_part(int(input("Enter first number: ")),int(input("Enter seco
```

```
Enter first number: 5
Enter second number: 2
0.5
```

In [12]:

```python
#Task No:02


def my_function(height, weight):
    n_height = height/100

    BMI = weight/(n_height*n_height)

    if(BMI < 18.5):
        print("Score is ",BMI,". you are Underweight")

    elif(BMI >= 18.5 and BMI <= 24.9):
        print("Score is ",BMI,". you are Normal")

    elif(BMI >= 25 and BMI <= 30):
        print("Score is ",BMI,". you are Overweight")

    elif(BMI > 30):
        print("Score is ",BMI,". you are Obese")

height = int(input("Enter your height: "))
weight = int(input("Enter your weight: "))

my_function(height, weight)
```

```
Enter your height: 156
Enter your weight: 48
Score is  19.72386587771203 . you are Normal
```

In [34]:

```
#Task No:03

def divisor_sum(min, max, divisor):
    if divisor != 0:
            return sum(num for num in range(min, max) if num % divisor == 0)

print(divisor_sum(0, 10, 2))
print(divisor_sum(3, 16, 3))
```

```
20
45
```

In [21]:

```
#Task No:04

def FoodPanda(food, location="Mohakhali"):
    if location != "Mohakhali":
            delivery_charge = 60
    else:
        delivery_charge = 40

    if food == "BBQ Chicken Chesse Burger":
        meal_cost = 250
    elif food == "Beef Burger":
        meal_cost = 170
    elif food == "Naga Drums":
        meal_cost = 200
    else:
        return "The food is not on the Menu."

    tax = meal_cost * (8 / 100)

    Total_Price = meal_cost + delivery_charge + tax
    return Total_Price


print(FoodPanda("Beef Burger", "Dhanmondi"))
print(FoodPanda("Beef Burger"))
```

```
243.6
223.6
```

In [2]:

```python
#Task No:05

def replace_domain(old_email, new_domain, old_domain='kaaj.com'):
    alias = old_email.split('@')[0]
    new_email = f"{alias}@{new_domain}"
    return f"Changed: {new_email}" if new_email != old_email else f"Unchange

print(replace_domain('alice@kaaj.com', 'sheba.xyz', 'kaaj.com'))
print(replace_domain('bob@sheba.xyz', 'sheba.xyz'))
```

```
Changed: alice@sheba.xyz
Unchanged: bob@sheba.xyz
```

In [6]:

```python
#Task No:06

def vowel_counter(argv):
    vowels = ['a', 'e', 'i', 'o', 'u']
    vowel = ''
    t_vowel = 0
    for char in argv:
        if char in vowels:
            vowel += char+','
            t_vowel += 1

    return f"Vowels: {vowel[:-1]}. Total number of vowels: {t_vowel}" if t_v

print(vowel_counter('Steve Jobs'))
print(vowel_counter('XYZ'))
```

```
Vowels: e,e,o. Total number of vowels: 3
No vowels in the name
```

In [5]:

```python
#Task No:07

def palindrome_checker(stro):
    right_ward = [x for x in stro if x!=' ']
    left_ward = [right_ward[x] for x in range(len(right_ward)-1, -1, -1)]
    palindrome = right_ward == left_ward
    return "Palindrome" if palindrome else "Not a palindrome"


print(palindrome_checker('madam'))
print(palindrome_checker('hello'))
print(palindrome_checker('nurses run'))
```

```
Palindrome
Not a palindrome
Palindrome
```

In [4]:

```python
#Task No:08

def time_counter(days):
    years = days // 365
    days %= 365
    month = days // 30
    days %= 30
    return f"{years} years, {month} months, {days} days"

print(time_counter(4320))
print(time_counter(4000))
```

```
11 years, 10 months, 5 days
10 years, 11 months, 20 days
```

In [3]:

```
#Task No:09

def my_function(string: str) -> str:
    string  = string[2:-2].split(' ')
    new_string = string[0].title()
    for i in range(1, len(string)-1):
        if '.' in string[i] or '!' in string[i] or '?' in string[i]: string[
        new_string += ' ' + string[i]

    return new_string.replace('i ', 'I ')

print(my_function("('my favourite animal is a dog. a dog has sharp teeth so
```

```
My favourite animal is a dog. A dog has sharp teeth so that it can eat flesh very easily. Do you know m
y
```