

User Input Assignment By Rahul Kumar

Q. – 1

➤ WAP to Calculat the BMI

Input:-

```
weight = float(input("Enter the weight in kg : "))
```

```
height = float(input(" Enter the height in cm : "))
```

```
bmi = weight / (height/100)**2
```

```
print("Your Body Mass Index is ", round(bmi))
```

Output:-

```
IDLE Shell 3.11.0
File Edit Shell Debug Options Window Help
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: E:\DUCAI_PYTHON COURSE\Core Python\UserInput Assignment\bmi.py ====
Enter the weight in kg : 56
Enter the height in cm : 120
Your Body Mass Index is 39
>>>
```

Q 2.

➤ WAP to Calculat the EMI

Input:-

`p = float(input("Enter the Principal Amount:")) # 1000000`

`R = float(input("Enter the annul interest rate: ")) # 7`

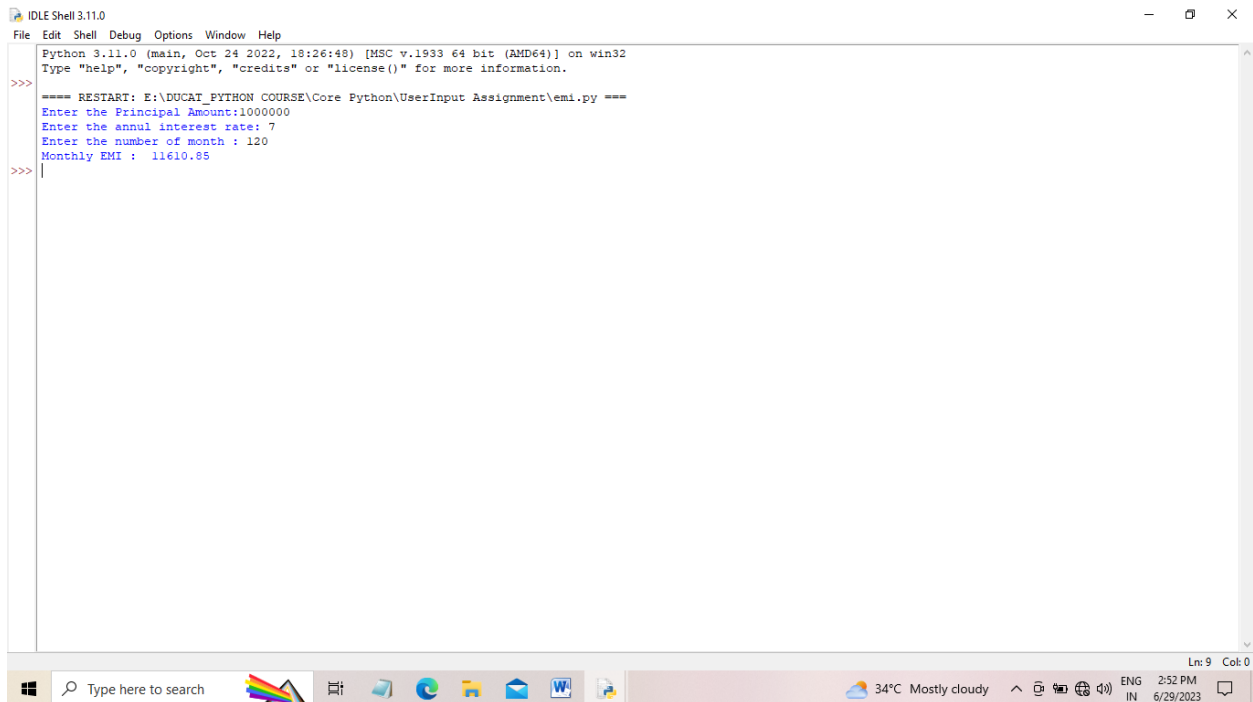
`n = float(input("Enter the number of month : ")) # 120`

`r = R/(12*100)`

```
emi = p * r * (1+r)**n / ((1+r)**n-1)

print("Monthly EMI : ",round(emi,2))
```

Output:-



The screenshot shows a Python IDLE Shell window with the following text:

```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
==== RESTART: E:\DUCAI_PYTHON COURSE\Core Python\UserInput Assignment\emi.py ====
Enter the Principal Amount:1000000
Enter the annual interest rate: 7
Enter the number of month : 120
Monthly EMI : 11610.85
>>>
```

The taskbar at the bottom shows the Windows Start button, a search bar, and several application icons. The system tray on the right indicates a temperature of 34°C, mostly cloudy weather, and the date/time as 2:52 PM on 6/29/2023.

Q 3.

➤ WAP to Calculat the EMI

Input:-

```
P = float(input("Enter number of Principal amount : "))# 1200
```

```
R = float(input("Enter number Rate : "))# 5.4
```

```
t = float(input("Enter the time : "))#2
```

```
A = P*(pow((1 + R/100),t))
```

```
ci = A – P
```

```
print ("Annual Compound Interest : ", ci)
```

Output:-



The screenshot shows a Python IDLE Shell window with the following text:

```
IDLE Shell 3.11.0
File Edit Shell Debug Options Window Help
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: E:\DUCAI_PYTHON COURSE\Core Python\UserInput Assignment\ci.py ====
Enter number of Principal amount : 1200
Enter number Rate : 5.4
Enter the time : 2
Annual Compound Interest : 133.09920000000001
>>>
```

The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right displays the weather (34°C Mostly cloudy), system icons, and the date/time (2:58 PM 6/29/2023).

Q 4.

➤ WAP to Find last digit Number

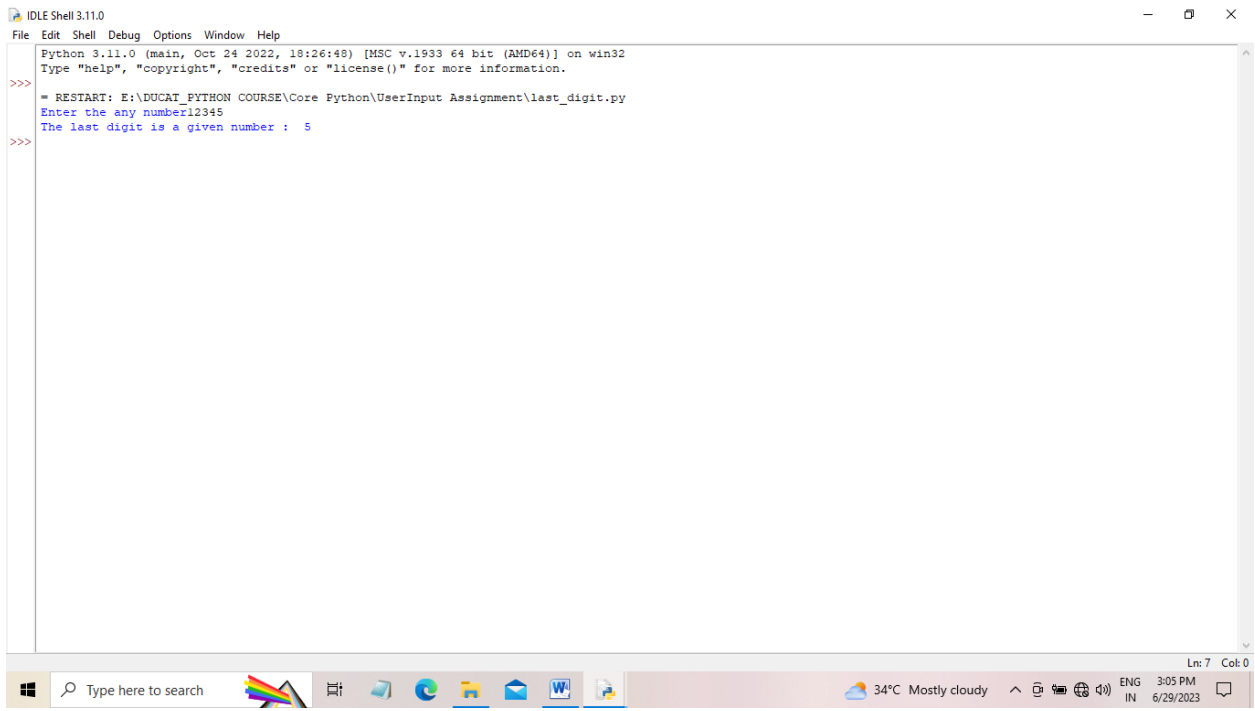
Input:-

```
num = int(input("Enter the any number"))
```

```
last_digit = num % 10
```

```
print("The last digit is a given number : ", last_digit)
```

Output:-



The screenshot shows the IDLE Shell 3.11.0 interface. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The shell area displays the following text:

```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: E:\DUCAT_PYTHON COURSE\Core Python\UserInput Assignment\last_digit.py
Enter the any number12345
The last digit is a given number : 5
>>>
```

The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates a temperature of 34°C, mostly cloudy weather, and the date and time as 3:05 PM on 6/29/2023.

Q 5

➤ WAP to Converting Celsius to Fahrenheit

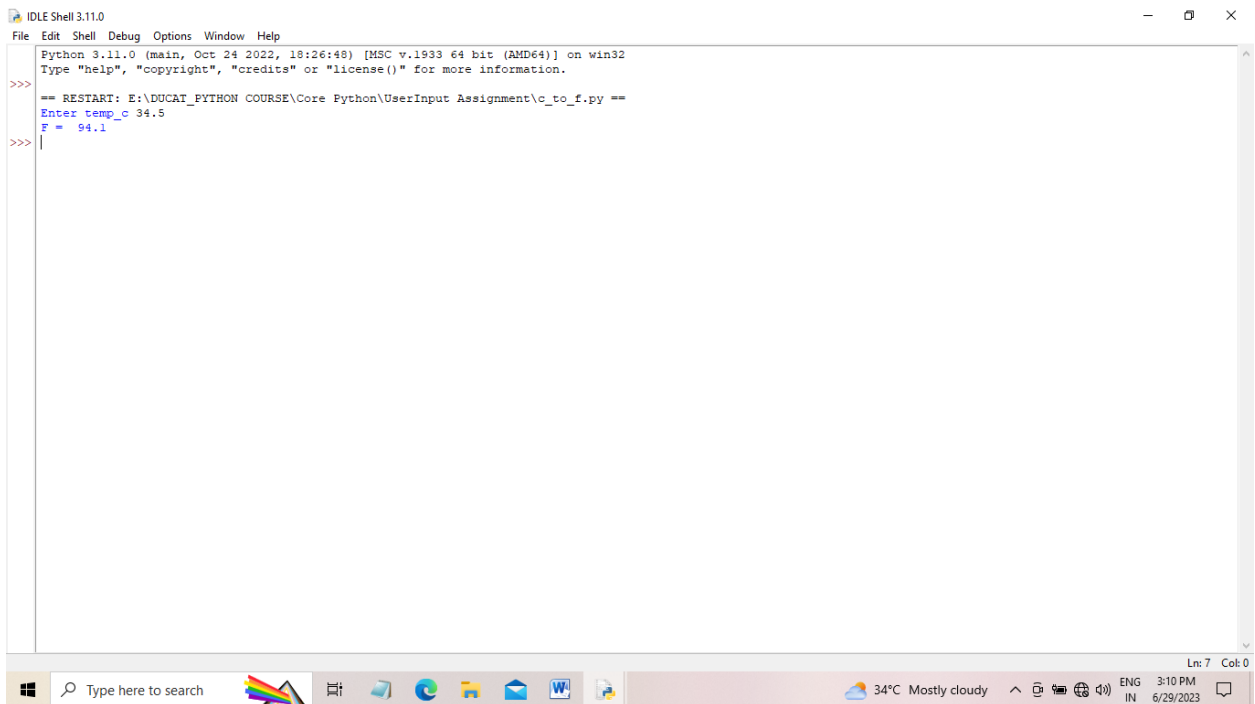
Input:-

```
temp_C = float(input("Enter temp_c"))
```

```
temp_F = (temp_C*9/5)+32
```

```
print("F = ", temp_F)
```

Output:-



```
IDLE Shell 3.11.0
File Edit Shell Debug Options Window Help
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: E:\DUCAT_PYTHON COURSE\Core Python\UserInput Assignment\c_to_f.py ==
Enter temp_c 34.5
F = 94.1
>>>
```

Q 6

➤ WAP to Converting Celsius to Kelvin

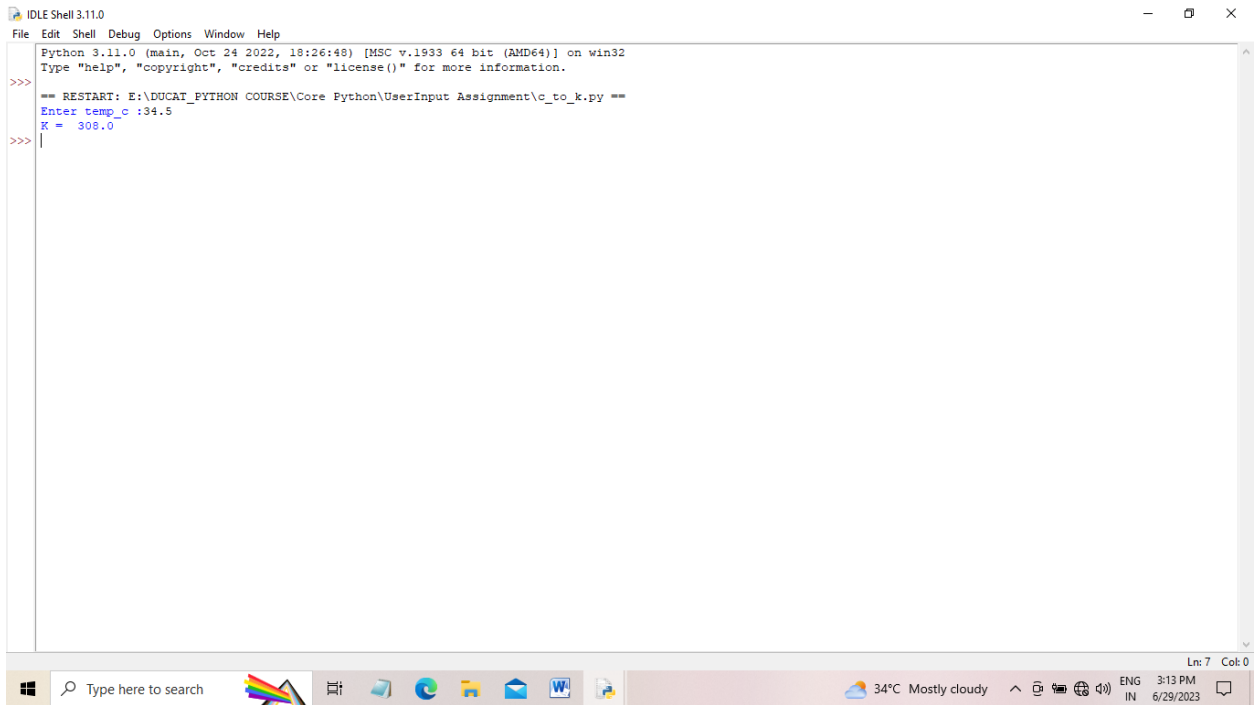
Input:-

```
temp_C = float(input("Enter temp_c :"))
```

```
temp_K = temp_C + 273.5
```

```
print("K = ", temp_K)
```

Output:-



```
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
== RESTART: E:\DUCAI_PYTHON COURSE\Core Python\UserInput Assignment\c_to_k.py ==
Enter temp_c :34.5
K = 308.0
>>>
```

Q 7

➤ WAP to Find average marks for 4 different Subject

Input:-

```
print(" Enter the four different subject marks ")
```

```
math = float(input())
```

```
science = float(input())
```

```
bio = float(input())
```

```
physic = float(input())
```

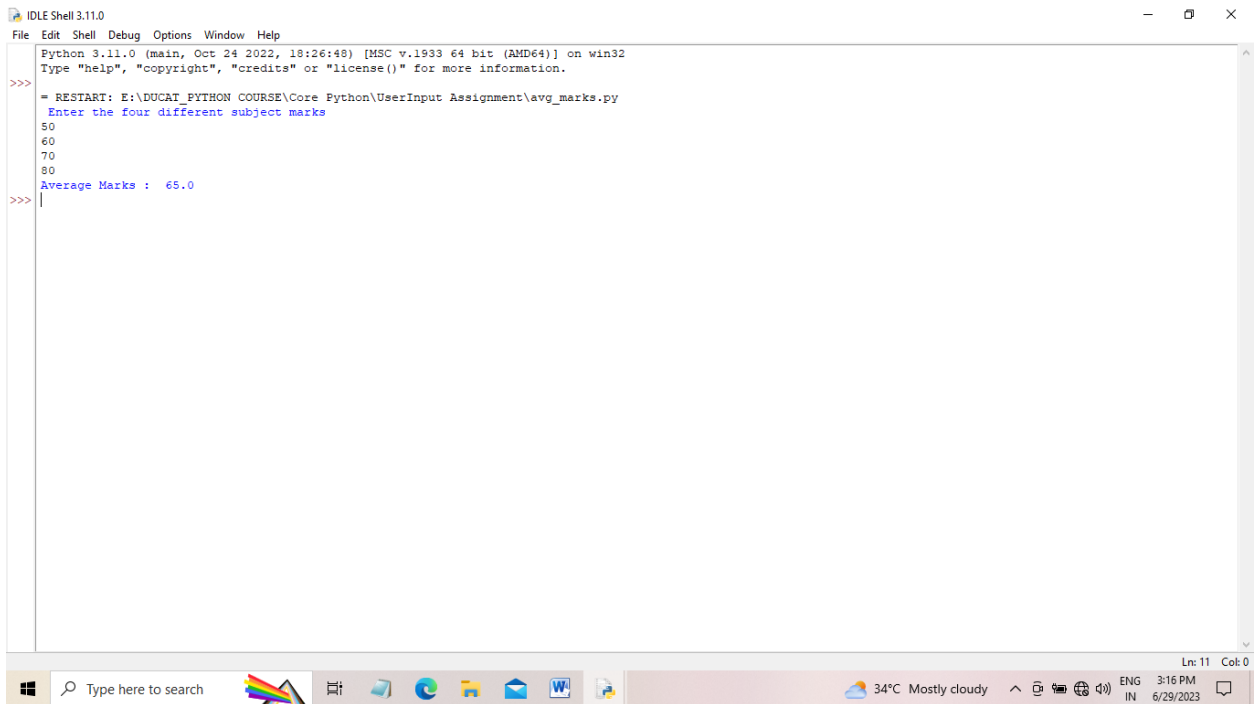


```
sum = math + science + bio + physic
```

```
total_avg = sum /4
```

```
print("Average Marks : ",total_avg)
```

Output:-



```
IDLE Shell 3.11.0
File Edit Shell Debug Options Window Help
Python 3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: E:\DUCAT_PYTHON COURSE\Core Python\UserInput Assignment\avg_marks.py
Enter the four different subject marks
50
60
70
80
Average Marks : 65.0
>>>|
```

The screenshot shows a Windows taskbar at the bottom with a search bar, task icons, and system tray information including 34°C, Mostly cloudy, and the date 6/29/2023. The IDLE Shell window title bar indicates it is running Python 3.11.0 on a Windows 32-bit system.