Name - Aditya Maurya
Enrollment Id - 2023BTCSE003

# Python Assignment 2

September 24, 2024

```
[3]: '''
     1. Write a Python program to print the following string in a specific␣
      ↪format(see the output).
     Sample String : &quot;Twinkle, twinkle, little star, How I wonder what you are!␣
      ↪Up above the world so
     high, Like a diamond in the sky. Twinkle, twinkle, little star, How I wonder␣
      ↪what you are&quot;
     Output :
     Twinkle, twinkle, little star,
            How I wonder what you are!
                   Up above the world so high,
                   Like a diamond in the sky.
     Twinkle, twinkle, little star,
         How I wonder what you are!
     '''

     print(""" Twinkle, twinkle, little star,\n \t How I wonder what you are!\n\t\t␣
      ↪Up above the world so high,\n\t\t Like a diamond in the sky.\n Twinkle,␣
      ↪twinkle, little star,\n\t How I wonder what you are!
     """)
     # output :
```

```
 Twinkle, twinkle, little star,
         How I wonder what you are!
                 Up above the world so high,
                 Like a diamond in the sky.
 Twinkle, twinkle, little star,
         How I wonder what you are!
```

```
[4]: # 2. Write a Python program to find out what version of Python you are using.
     import sys
     print(sys.version)
```

```
3.10.12 (main, Sep 11 2024, 15:47:36) [GCC 11.4.0]
```

```python
# 3. Write a Python program to display the current date and time.
import datetime

current_time = datetime.datetime.now()

print("The attributes of now() are :")
print("Year :", current_time.year)
print("Month : ", current_time.month)
print("Day : ", current_time.day)
print("Hour : ", current_time.hour)
print("Minute : ", current_time.minute)
print("Second :", current_time.second)
print("Microsecond :", current_time.microsecond)
# output :
```

```
The attributes of now() are :
Year : 2024
Month :  9
Day :  24
Hour :  17
Minute :  48
Second : 57
Microsecond : 349794
```

```python
# 5. Write a Python program that accepts the user's first and last name and
    ↪prints them in reverse
# order with a space between them.
first_name = input("Enter your first name : ")
last_name = input("Enter your last name : ")
print(f"{last_name} {first_name}")
# output :
```

```
Enter your first name : Aditya
Enter your last name : Maurya
Maurya Aditya
```

```python
"""
6. Write a Python program that accepts a sequence of comma-separated numbers
    ↪from the user and
generates a list and a tuple of those numbers.
Sample data : 3, 5, 7, 23
Output :
List : ['3', ' 5', ' 7', ' 23']
Tuple : ('3', ' 5', ' 7', ' 23')
"""
data = input("Enter the comma-separated numbers : ")
data_list = data.split(',')
```

```python
data_tuple = tuple(data_list)
print("List:", data_list)
print("Tuple:", data_tuple)
# output :
```

```
Enter the comma-separated numbers : 3, 5, 2, 5
List: ['3', ' 5', ' 2', ' 5']
Tuple: ('3', ' 5', ' 2', ' 5')
```

```python
[10]: '''
7. Write a Python program that accepts a filename from the user and prints the
 ↪extension of the file.
Sample filename : abc.java
Output : java
'''
string = input('Enter the File name : ')
file_exten = string.split('.')[-1]
print(file_exten)
# output :
```

```
Enter the File name : array.cpp
cpp
```

```python
[11]: '''
8. Write a Python program to display the first and last colors from the
 ↪following list.
color_list = ["Red","Green","White" ,"Black"]
'''
color_list = ["Red","Green","White" ,"Black"]
first_color = color_list[0]
last_color = color_list[-1]
print("First color:", first_color)
print("Last color:", last_color)
# output :
```

```
First color: Red
Last color: Black
```

```python
[12]: '''
9. Write a Python program to display the examination schedule. (extract the
 ↪date from
exam_st_date).
exam_st_date = (11, 12, 2024)
Sample Output : The examination will start from : 11 / 12 / 2024
'''
exam_st_date = (11, 12, 2024)
```

```python
print(f"The examination will start from : {exam_st_date[0]} / {exam_st_date[1]} / {exam_st_date[2]}")
# output :
```

```
The examination will start from : 11 / 12 / 2024
```

```python
[16]: '''
10. Write a Python program that accepts an integer (n) and computes the value
    of n+nn+nnn.
Sample value of n is 5
Expected Result : 615
'''
n = input("Enter the value of n : ")
result = int(n) + int(n*2) + int(n*3)
print("Result: ", result)
# output :
```

```
Enter the value of n : 5
Result:  615
```