Assignment -1

Python Programming

Assignment Date	29 September 2022
Team Id	PNT2022TMID44153
Student Name	Mr. Mohammed Musthakeem A
Student Roll Number	724019104012
Maximum Marks	2 Marks

Question-1:

Write a Python program to display the current date and time.

Solution:

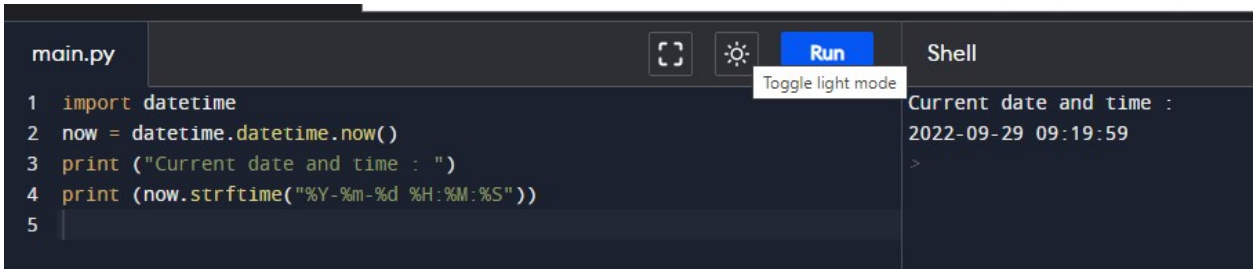
```
import datetime

now = datetime.datetime.now()

print ("Current date and time : ")

print (now.strftime("%Y-%m-%d %H:%M:%S"))
```

Output:



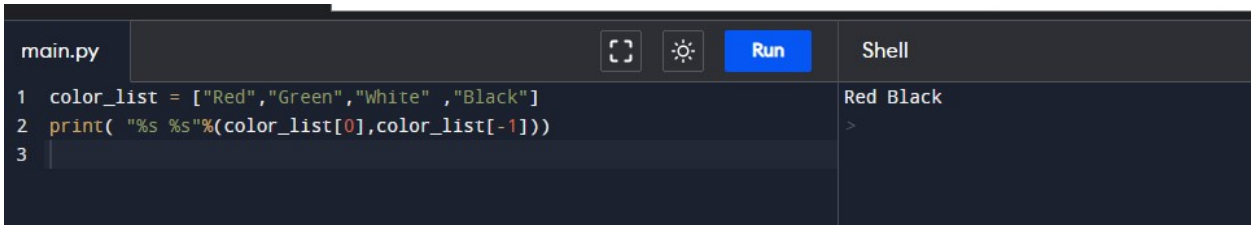
Question-2:

Write a Python program to display the first and last colors from the following list.

color_list = ["Red","Green","White" ,"Black"]

Solution:

```
color_list = ["Red","Green","White" ,"Black"]
print( "%s %s"%(color_list[0],color_list[-1]))
```

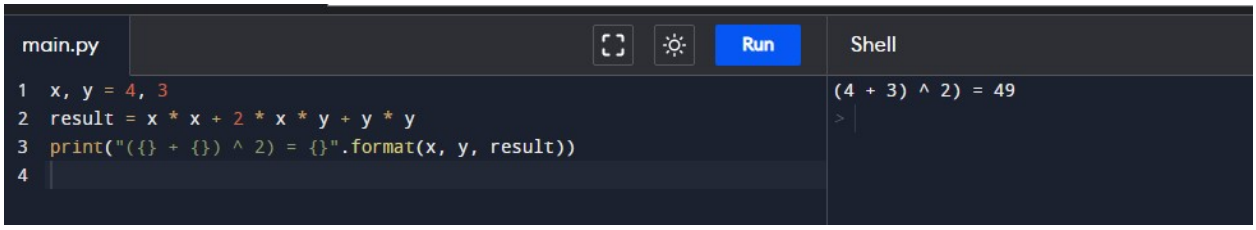


Question-3:

Write a Python program to solve (x + y) * (x + y).

Solution:

```
x, y = 4, 3
result = x * x + 2 * x * y + y * y
print("({} + {}) ^ 2) = {}".format(x, y, result))
```



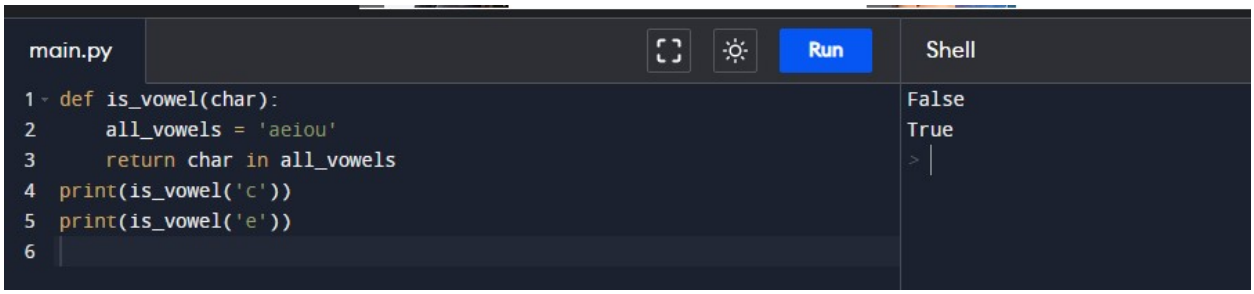
Question-4:

Write a Python program to test whether a passed letter is a vowel or not.

Solution:

```
def is_vowel(char):
    all_vowels = 'aeiou'
```

```
    return char in all_vowels
print(is_vowel('c'))
print(is_vowel('e'))
```



Question-5:

Write a Python program to calculate number of days between two dates.

Solution:

```
from datetime import date
f_date = date(2014, 7, 2)
l_date = date(2014, 7, 11)
delta = l_date - f_date
print(delta.days)
```