Python, Week 5 Practices

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Exercise one

Write a Python program to display the current date and time

Solution one

- import datetime
- Nowaday_1 = datetime.datetime.now()
- print ("Current date and time : ")
- print (Nowaday_1.strftime("%Y-%m-%d %H:%M:%S"))

Exercise two

Write a Python program which accepts the radius of a circle from the user and compute the area

Solution two

```
from math import pi
r = float(input (“The radius of the circle : "))
print (“The answer is: " + str(r) + " is: " + str(pi * r**2))
```

Exercise three

Write a Python program to accept a filename from the user and print the extension of that

Solution three

```
File_name = input(“full name of your file:”)
File_extention = File_name.split(“.”)
print(“the extension requested is:”, (File_extention[-1]))
```

Exercise four

Write a Python program to test whether a number is within 133 of 900 or 1100

Solution four

```
def near_thousand(n):
        return ((abs(900 - n) <= 133) or (abs(1100 - n) <= 133))
print(near_thousand(input(“number you want to check: )))
```

Exercise five

Write a Python program to get the maximum and minimum value in a dictionary

Solution Five

- my_dict = {'x':500, 'y':5874, 'z': 560}
- key_max = max(my_dict.keys(), key=(lambda k: my_dict[k]))
- key_min = min(my_dict.keys(), key=(lambda k: my_dict[k]))
- print('Maximum Value: ',my_dict[key_max])
- print('Minimum Value: ',my_dict[key_min])