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#!/usr/bin/env python
# coding: utf-8

# In[51]:

# Q1 of Assignment # 1
# Write a Python program to print the following string in a specific
format
# -----

print("Twinkle, twinkle, Little star,")
print("        How I wonder what you are!")
print("        Up above the world so high,")
print("        Like a diamond in the sky.")
print("Twinkel, Twinkle, Little star,")
print("        How I wonder what you are!")

# In[52]:

# Q2 of Assignment # 1
# Write a Python program to get the Python version you are using
# -----

# sys is the module
import sys

print("the current Python version in my system is :")

# .version is function
print ("    "+sys.version)

print("Version info:")

# .version_info is the function
print (sys.version_info)

# In[53]:

# Q3 of Assignment # 1
# Write a Python program to display the current date and time.
# -----

# datetime is a module
import datetime

#datetime.datetime the second one is an attributes while now is the
function
now = datetime.datetime.now()

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print("Current date and time : ")

# strftime is a function.
print(now.strftime('%Y-%m-%d %H:%M:%S'))

# %h %m etc are directives which has special meaning.
print(now.strftime('%H:%M:%S on %A, %B the %dth, %Y'))

# In[54]:

# Q4 of Assignment # 1
# Write a Python program which accepts the radius of a circle from the
user and compute the area.
# -----

# importing pi module from math.py
from math import pi

#taking radius as user input
radius = float(input("please enter the radius value : "))
print("you entered",radius,"as a radius")

area = float(pi*radius**2)
print("the area is :", area)

# In[55]:

# Q5 of Assignment # 1
# Write a Python program which accepts the user's first and last name and
# print them in reverse order with a space between them.
# -----

first_name = str(input("Enter your good First Name, Please!\n "))
last_name = str(input("Enter your good Last Name, Please!\n "))

print("\n" + last_name + " " + first_name)

# In[ ]:

# Q6 of Assignment # 1
# Write a python program which takes two inputs from user and
# print them addition
# -----

input_1 = float(input("Enter your first desire number input\n "))
input_2 = float(input("Enter your second desire number input\n "))

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summation = input_1 + input_2  
print("the addition of two number inputs is : ", summation)
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