

#Chapter 1: Exercises 1~5

#Exercise 1: Write a Python program to print the following string in a specific format. 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, 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.\n")
```

#Exercise 2: Print the version of Python

```
import sys #this is importing a thing  
print(sys.version, "\n")
```

#Exercise 3: Print date and time

```
import datetime  
current_datetime=datetime.datetime.now()  
print(current_datetime.strftime("%Y-%m-%d %H:%M:%S\n"))
```

#Exercise 4: String Concatenation. Write three strings in different variables and print the output as one string.

```
string1="Hello," #Make a variable, which is 'string1', then put a text in it. Texts are written inside a quotation mark.  
string2="my name is"  
string3="Slim Shady!"  
print(string1,string2,string3, "\n")
```

#Exercise 5: Compute Area of Circle. Write a Python program which accepts the radius of a circle from the user and compute the area.

```
from math import pi  
radius=float(input("Input the radius of the circle: "))#Float because radius can be in decimals, which the float data type accepts. Input, so the user can enter their own value to be stored in variable called 'radius'.  
area_of_circle=pi*radius**2 #This is formula for area of the circle inside the variable 'area_of_circle'. To be executed later.  
print(f"The area of the circle with radius of {radius} is {area_of_circle}.\n")
```

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.
```

```
3.11.0 (main, Oct 24 2022, 18:26:48) [MSC v.1933 64 bit (AMD64)]
```

```
2022-12-11 22:29:22
```

```
Hello, my name is Slim Shady!
```

```
Input the radius of the circle: 7
```

```
The area of the circle with radius of 7.0 is 153.93804002589985.
```