

### Q.1 Python version you are using

**Soln:**

```
import sys

print("Python version")

print (sys.version)

print("Version info.")

print (sys.version_info)
```

### Q2. Write a Program to 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
```

**Soln:**

```
print("Twinkle, twinkle, little star, \n\tHow I wonder what you are! \n\t\tUp\nabove the world so high, \n\t\t\tLike a diamond in the sky. \nTwinkle, twinkle, little\nstar, \n\tHow I wonder what you are!")
```

### Q. 3 Program to accepts the user's first and last name and print them in reverse

**Soln:**

```
fname = input("Input your First Name : ")

lname = input("Input your Last Name : ")

print ("Hello " + lname + " " + fname)
```

Q. 4 Write a Python program to display the first and last colors from the following list.

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

**Soln :**

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

Q, 5 Write a Python program to compute the product of a list of integers (without using for loop).

**Soln:**

```
1. import math  
2. nums = [10, 20, 30,]  
3. print ("\nProduct of the List of Numbers:", math.prod(nums) )
```

OR

```
3  nums_product = reduce ( (lambda x, y: x * y), nums)  
4.  print(" \nProduct of the said numbers (without using for loop):", nums_product)
```

Q. 6 Print the following number pattern using Python range () and a loop.

```
1  
2 2  
3 3 3
```

**Soln:**

```
for num in range(4):  
  
    for i in range(num):  
  
        print(num, end=' ')  
    print ()
```

