#1. Write a Python program to print the following string in a specific format (see the output).

print('Twinkle, twinkle, little star,')

print('\tHow I wonder what you are!')

print('\t\tUp above the world so high,')

print('\t\tLike a diamond in the sky.')

print('Twinkle, twinkle, little star,')

print('\tHow I wonder what you are')

print('--------------------------------------')

# 2. Write a Python program to get the Python version you are using.

import sys

print('Python Version')

print(sys.version)

print('--------------------------------------')

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

print('Current\_date and Time')

import datetime

print(datetime.datetime.now())

print('--------------------------------------')

#4. Write a Python program which accepts

#the radius of a circle from the user and compute the area.

import math

radius = float(input('Enter the radius value:'))

area = math.pi \* radius \* radius

print('Area of circle is:',area)

print('--------------------------------------')

# 5. Write a Python program which accepts the user's first and

#last name and print them in reverse order with a space between them.

firstname = str(input('Enter the First Name:'))

lastname = str(input('Enter the Last Name:'))

print(lastname+' '+firstname)

#6. Write a Python program which accepts a sequence of comma-separated numbers from user and

#generate a list and a tuple with those numbers.

num = input('Enter the numbers:')

value = num.split(',')

print('List form:',list(value))

print('Tuple form:',tuple(value))

#7. Write a Python program to accept a filename from the user and print the extension of that. Go to the editor

#Sample filename : abc.java

#Output : java

filename = input('Enter the file name:')

ext = filename.split('.')

print(ext[1])

# 8. Write a Python program to display

#the first and last colors from the following list.

# color\_list = ["Red","Green","White" ,"Black"]

color\_list = ["Red","Green","White" ,"Black"]

print(color\_list[0],color\_list[-1])

# 9. Write a Python program to display the examination schedule.

#(extract the date from exam\_st\_date).

exam\_st\_date = (11, 12, 2014)

print('%i / %i / %i'%exam\_st\_date)

#11. Write a Python program to print the documents (syntax, description etc.) of Python built-in function(s).

def add(n):

'''

Getting the number and

adding them and returning the results

'''

return (n+n)

print(add.\_\_doc\_\_)

#12. Write a Python program to print the calendar of a given month and year.

#Note : Use 'calendar' module.

import calendar

month = int(input('Enter the month:'))

year = int(input('Enter the year:'))

print(calendar.month(year,month))

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

#Sample dates : (2014, 7, 2), (2014, 7, 11)

#Expected output : 9 days

import datetime

date\_1 = datetime.date(2014,7,2)

date\_2 = datetime.date(2014,7,11)

days = date\_2-date\_1

print('Number of days in between is: ',days.days,'days')

#15. Write a Python program to get the volume

#of a sphere with radius 6.

from math import pi,pow

V1 = 4/3 \*pi\*pow(6,3)

V2 = 4/3 \*pi\*6\*6\*6

print(V1,'\n',V2)

# 16. Write a Python program to get the difference

#between a given number and 17,

#if the number is greater than

#17 return double the absolute difference.

num = int(input('Enter the number:'))

diff = num - 17

if num > 17:

print(diff\*2)

else:

print('Actual number:',num)