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

*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

**2.**Write a Python program to get the Python version you are using.    
**3.**Write a Python program to display the current date and time

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

**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

**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.  
*Sample data :*3, 5, 7, 23  
*Output :*  
List : ['3', ' 5', ' 7', ' 23']   
Tuple : ('3', ' 5', ' 7', ' 23')

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

**8.** Write a Python program to display the first and last colors from the following list.  
color\_list = ["Red","Green","White" ,"Black"]

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

**10.**Write a Python program that accepts an integer (n) and computes the value of n+nn+nnn

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

**12.** Write a Python program to print the calendar of a given month and year.  
*Note :*Use 'calendar' module. 

**13.** Write a Python program to calculate number of days between two dates.  
*Sample dates* : (2014, 7, 2), (2014, 7, 11)  
*Expected output*: 9 days 

**14.** Write a Python program to get the volume of a sphere with radius 6.

**15.**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.

**16.**Write a Python program to test whether a number is within 100 of 1000 or 2000.

**17.**Write a Python program to calculate the sum of three given numbers, if the values are equal then return thrice of their sum.

**18.**Write a Python program to get a new string from a given string where "Is" has been added to the front. If the given string already begins with "Is" then return the string unchanged.

**19.**Write a Python program to get a string which is n (non-negative integer) copies of a given string.

**20.**Write a Python program to find whether a given number (accept from the user) is even or odd, print out an appropriate message to the user

**21.**Write a Python program to count the number 4 in a given list.

**22.**Write a Python program to get the n (non-negative integer) copies of the first 2 characters of a given string. Return the n copies of the whole string if the length is less than 2.

**23.**Write a Python program to test whether a passed letter is a vowel or not.

**24.**Write a Python program to check whether a specified value is contained in a group of values.    
*Test Data* :   
3 -> [1, 5, 8, 3] : True  
-1 -> [1, 5, 8, 3] : False

**25.**Write a Python program to concatenate all elements in a list into a string and return it.

**26.**Write a Python program to print all even numbers from a given numbers list in the same order and stop the printing if any numbers that come after 237 in the sequence.  
*Sample numbers list* :

numbers = [

386, 462, 47, 418, 907, 344, 236, 375, 823, 566, 597, 978, 328, 615, 953, 345,

399, 162, 758, 219, 918, 237, 412, 566, 826, 248, 866, 950, 626, 949, 687, 217,

815, 67, 104, 58, 512, 24, 892, 894, 767, 553, 81, 379, 843, 831, 445, 742, 717,

958,743, 527

]

**27.**Write a Python program to print out a set containing all the colors from color\_list\_1 which are not present in color\_list\_2.    
*Test Data*:   
color\_list\_1 = set(["White", "Black", "Red"])   
color\_list\_2 = set(["Red", "Green"])  
*Expected Output*:   
{'Black', 'White'}  
**28.**Write a Python program that will accept the base and height of a triangle and compute the area.

**29.**Write a Python program to compute the greatest common divisor (GCD) of two positive integers.

**30.**Write a Python program to get the least common multiple (LCM) of two positive integers.

**31.**Write a Python program to sum of three given integers. However, if two values are equal sum will be zero.

**32.**Write a Python program to sum of two given integers. However, if the sum is between 15 to 20 it will return 20.

**33.**Write a Python program that will return true if the two given integer values are equal or their sum or difference is 5.

**34.**Write a Python program to add two objects if both objects are an integer type.

**35.**Write a Python program to display your details like name, age, address in three different lines.

**36.**Write a Python program to solve (x + y) \* (x + y)

**37.**Write a Python program to compute the future value of a specified principal amount, rate of interest, and a number of years

**38.**Write a Python program to compute the distance between the points (x1, y1) and (x2, y2).

**39.** Write a Python program to check whether a file exists.

**40.**Write a Python program to determine if a Python shell is executing in 32bit or 64bit mode on OS.

**41.**Write a Python program to get OS name, platform and release information.

**42.**Write a Python program to locate Python site-packages.

**43.**Write a python program to call an external command in Python.

**44.**Write a python program to get the path and name of the file that is currently executing.

**45.**Write a Python program to find out the number of CPUs using.

**46.**Write a Python program to parse a string to Float or Integer.

**47.**Write a Python program to list all files in a directory in Python.

**48.**Write a Python program to print without newline or space.

**49.**Write a Python program to determine profiling of Python programs.    
Note: A profile is a set of statistics that describes how often and for how long various parts of the program executed. These statistics can be formatted into reports via the pstats module. 

**50.**Write a Python program to print to stderr.

**51.**Write a python program to access environment variables.

**52.**Write a Python program to get the current username

**53.**Write a Python to find local IP addresses using Python's stdlib

**54.**Write a Python program to get height and width of the console window.

**55.**Write a program to get execution time for a Python method.

**56.**Write a python program to sum of the first n positive integers.

**57.**Write a Python program to convert height (in feet and inches) to centimeters.

**58.**Write a Python program to calculate the hypotenuse of a right angled triangle.

**59.**Write a Python program to convert the distance (in feet) to inches, yards, and miles.

**60.**Write a Python program to convert all units of time into seconds

**61.**Write a Python program to get an absolute file path.

**62.**Write a Python program to get file creation and modification date/times.

**63.**Write a Python program to convert seconds to day, hour, minutes and seconds.

**64.**Write a Python program to calculate body mass index.

**65.**Write a Python program to convert pressure in kilopascals to pounds per square inch, a millimeter of mercury (mmHg) and atmosphere pressure.

**66.**Write a Python program to calculate the sum of the digits in an integer.

**67.**Write a Python program to sort three integers without using conditional statements and loops.

**68.**Write a Python program to sort files by date.

**69.**Write a Python program to get a directory listing, sorted by creation date.

**70.**Write a Python program to get the details of math module.

**71.**Write a Python program to calculate midpoints of a line.

**72.**Write a Python program to hash a word.

**73.**Write a Python program to get the copyright information.

**74.**Write a Python program to get the command-line arguments (name of the script, the number of arguments, arguments) passed to a script.

**75.**Write a Python program to test whether the system is a big-endian platform or little-endian platform.

**76.**Write a Python program to find the available built-in modules.

**77.**Write a Python program to get the size of an object in bytes.

**78.**Write a Python program to get the current value of the recursion limit.

**79.**Write a Python program to concatenate N strings.

**80.**Write a Python program to calculate the sum over a container.

**81.**Write a Python program to test whether all numbers of a list is greater than a certain number.

**82.**Write a Python program to count the number occurrence of a specific character in a string.

**83.**Write a Python program to check if a file path is a file or a directory.

**84.**Write a Python program to get the ASCII value of a character

**85.**Write a Python program to get the size of a file.

**86.**Given variables x=30 and y=20, write a Python program to print t "30+20=50".

**87.**Write a Python program to perform an action if a condition is true.   
Given a variable name, if the value is 1, display the string "First day of a Month!" and do nothing if the value is not equal.

**88.**Write a Python program to create a copy of its own source code.

**89.**Write a Python program to swap two variables.

**90.**Write a Python program to define a string containing special characters in various forms.

**91.**Write a Python program to get the identity of an object.

**92.**Write a Python program to convert a byte string to a list of integers.

**93.**Write a Python program to check if a string is numeric.

**94.**Write a Python program to print the current call stack.

**95.**Write a Python program to list the special variables used within the language.

**96.**Write a Python program to get the system time.

**97.**Write a Python program to clear the screen or terminal.

**98.**Write a Python program to get the name of the host on which the routine is running.

**99.**Write a Python program to access and print a URL's content to the console.

**100.**Write a Python program to get system command output.

**101.**Write a Python program to extract the filename from a given path.

**102.**Write a Python program to check if a number is positive, negative or zero.

**103.**Write a Python program to get numbers divisible by fifteen from a list using an anonymous function.

**104.**Write a Python program to make file lists from current directory using a wildcard.

**105.**Write a Python program to remove the first item from a specified list.

**106.**Write a Python program to input a number, if it is not a number generate an error message.

**107.**Write a Python program to filter the positive numbers from a list.

**108.**Write a Python program to compute the product of a list of integers (without using for loop).

**109.**Write a Python program to print Unicode characters.

**110.**Write a Python program to prove that two string variables of same value point same memory location.

**111.**Write a Python program to create a bytearray from a list.

**112.**Write a Python program to display a floating number in specified numbers.

**113.**Write a Python program to format a specified string to limit the number of characters to 6.

**114.**Write a Python program to determine if variable is defined or not

**115.**Write a Python program to sum of all counts in a collections?

**116.**Write a Python program to check if lowercase letters exist in a string.

**117.**Write a Python program to add leading zeroes to a string.

**118.**Write a Python program to use double quotes to display strings.

**119.**Write a Python program to split a variable length string into variables.

**120.**Write a Python program to list home directory without absolute path.

**121.**Write a Python program to calculate the time runs (difference between start and current time) of a program.

**122.**Write a Python program to input two integers in a single line.

**123.**Write a Python program to extract single key-value pair of a dictionary in variables.

**124.**Write a Python program to convert true to 1 and false to 0.

**125.**Write a Python program to find the operating system name, platform and platform release date.

**126.**Write a Python program to check if variable is of integer or string.

**127.**Write a Python program to find the operating system name, platform and platform release date.  
  
**128.** Write a Python function to check whether a number is divisible by another number. Accept two integer’s values form the user.

**129.** Write a Python function that takes a positive integer and returns the sum of the cube of all the positive integers smaller than the specified number.

**130.** Write a Python function to find a distinct pair of numbers whose product is odd from a sequence of integer values