PYTHON ASSIGNMENT: 1

1. Write a Python Program to get the Python version you are using.

import sys

print(sys.version)

2. Create a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 100 years old.

ename=input("Enter your name: ")

eage=input("Enter your age: ")

print(2019+100-int(eage))

3. Write a Python Program which accepts the radius of a circle from the user and compute the area.

r=int(input("Enter radius of circle: "))

print(3.14\*r\*r)

4. Ask the user for a number. Depending on whether the number is even or odd, print out an appropriate message to the user.

num=int(input("Enter a number: "))

if (num%2==0):

print("Even Number")

else:

print("Odd Number")

5. Ask the user for the string and print out whether the string is palindrome or not.

str=input("Enter a string: ")

str1=str[::-1]

if(str==str1):

print("It is palindrome")

else:

print("It is not palindrome")

6. Write a Python Program to get a single string from two given strings, separated by a space and swap the first two characters of each string.

str1=input("Enter first string: ")

str2=input("Enter second string: ")

c=str1[0:2]

d=str2[0:2]

str3=d+str1[2:]+" "+c+str2[2:]

print(str3)

7. Write a Python Program to add ‘ing’ at the end of a given strings(length should be atleast 3). If the given string already ends with ‘ing’ then add ‘ly’ instead. If the string length of the given string is less than 3, leave it unchanged.

str=input("Enter a string")

a=len(str)

if(a>2):

if(str[a-3:]=="ing"):

str1=str+"ly"

print(str1)

else:

str1=str+"ing"

print(str1)

else:

print(str)

8. Write a Python Program to change a given string to a new string where the first and last chars have been exchanged.

str=input("Enter your string: ")

a=str[0]

b=str[len(str)-1]

str1=b+str[1:(len(str)-1)]+a

print(str1)

9. Write a Python Program to get a string from a given string where all occurrences of its first char have been changed to ‘$’, except the first char itself.

str1=input("Enter your string: ")

c1=str1[0]

str2=str1.replace(c1,"$")

str3=c1+str2[1:]

print(str3)

10. Write a Python script that takes input from the user and displaysthat input back in upper and lower cases.

str=input("Enter the string")

print(str.lower())

print(str.upper())

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