

## **ASSIGNMENT 1**

**1] WAPP that prints the current version of python you are using.**

```
import sys
print(sys.version)
```

**2] WAPP that asks user for name and age. Print out message that tells the year in which they will turn 100 years old.**

```
name = input("Enter you name : ")
age = int(input("Enter your age : "))
print(2019 - age + 100)
```

**3] WAPP that takes radius of circle and prints area of circle.**

```
r = float(input("Enter radius of circle : "))
print("Area of Circle is : ", (3.14)*r*r)
```

**4] WAPP that checks & prints whether number is even or odd.**

```
num = int(input("Enter a number : "))
if(num%2==0):
    print("Number is even")
else:
    print("Number is odd")
```

**5] WAPP that checks & prints whether a string is Palindrome or not.**

```
mystr = input("Enter a string : ")
revstr = mystr[::-1]
if(mystr==revstr):
    print("String is a palindrome")
else:
    print("String is not a palindrome")
```

**6] WAPP to get a single string from two given strings separated by a space and swap the first two characters of each string.**

```
str1,str2 = input().split(" ")
st1 = str1[0:2]
st2 = str2[0:2]
mystr = st2 + str1[2:] + st1 + str2[2:]
print(mystr)
```

**7] WAPP to add “ing” at end of given string whose length should be atleast 3. If the given string already ends with 'ing', then add 'ly'. If the length of string is less than 3, leave it unchanged.**

```
mystr = input("Enter a string : ")
strlen = len(mystr)
if(strlen < 3):
    print(mystr)
else:
    if(mystr.endswith("ing")):
        mystr = mystr + "ly"
        print(mystr)
    else:
        mystr = mystr + "ing"
        print(mystr)
```

**8] WAPP to change a given string to a new string, where the first and last characters have been exchanged.**

```
mystr = input("Enter a string : ")
strlen = len(mystr)
newstr = mystr[strlen-1] + mystr[1:strlen-1] + mystr[0]
print(newstr)
```

**9] WAPP to get a string from a given string where all occurrences of its first character have been changed to '\$', except the first character itself. eg :  
restart --> resta\$t**

```
mystr = input("Enter a string : ")  
print(mystr[0] + mystr[1:].replace(mystr[0],"$"))
```

**10] WAPP that takes input from the user and displays the input in upper and lower cases.**

```
mystr = input("Enter a string : ")  
print(mystr.upper())  
print(mystr.lower())
```