ASSIGNMENT-6

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#1. python function to find the max of three numbers:
def maximum(x,y,z):
  if x>y and x>z:
    return x
  elif y>x and y>z:
    return y
  else:
    return z
x=input("Enter the 1st number\n")
y=input("Enter the 2nd numbers\n")
z=input("Enter the 3rd numberss\n")
print(maximum(x,y,z))
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Enter the 1st number
23
Enter the 2nd numbers
45
Enter the 3rd numberss
89
89
```

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#2.python function to reverse a string:
def reverse(s):
  str=""
  for i in s :
    str = i + str
  return str
s="hello world!"
print("The original string is : ",end="")
print(s)
print("The reversed string(usinf looping) is: ",end="")
print(reverse(s))
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The original string is : hello world!
The reversed string(usinf looping) is: !dlrow olleh
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#3.python function to count the number of upper and lower case in a string:

def up_low(string):
  string='Welcome You All!'
  uppers = 0
  lowers = 0
  for char in string:
    if char .islower():
      lowers += 1
    elif char .isupper():
      uppers += 1
    else:
      pass
  return (uppers, lowers)
print(up_low(string))
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(3, 10)
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#4.python function to get unique elements from a list:
def function(list):
  a=set(list)
  print(sorted(a))
function([1,2,3,3,3,4,4,5,6,6,7,7])
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[1, 2, 3, 4, 5, 6, 7]
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#5.python function to check whether a string is palindrome or not:
def isPalindrome(string):
  left_pos = 0
  right_pos = len(string) - 1
  while right_pos >= left_pos:
    if not string[left_pos] == string[right_pos]:
      return False
    left_pos += 1
    right_pos -= 1
  return True
print(isPalindrome("madam"))
```

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True
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