WORKSHEET – STRING HANDLING

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| 1 | What will be the output of following code- str="hello"  str[:2]    Ans:    Answer is not showing because print() function not used  Print(str[:2])  Ans: He |
| 2 | What will be the output of following code- str='Hello'  res=''”  for i in range(len(str)):  res=res+str[i]  print(res)    Ans:  Hello |
| 3 | What will be the output of following code- s='Hi!'  s1='Hello'  s2=s[:2]+s1[len(s1)-2:]  print(s2)    Ans:  Hilo |
| 4 | What will be the output of following code- 'ba'+'na'\*2  Ans:  banana |
| 5 | What will be the output of following code-  s='Welcome to python4csip.com'  print(s.find('come')) |
|  | s.count('o')    Ans:    3 |
| 6 | What will be the output of following program:  s='Hello'  for i in s:  print(i,end='#')    Ans:  H#e#l#l#o# |
| 7 | What will be the output of following program:  for i in 'hardik':  print(i.upper())    Ans:    H  A  R  D  I  K |
| 8 | What will be the output of following program: s='Hello'  for i in s:  print('Welcome')    Ans:    Welcome  Welcome  Welcome  Welcome  Welcome |
| 9 | What will be the output of following program: str='virat'  for i in str: |

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|  | print(str.upper())    Ans:  VIRAT  VIRAT  VIRAT  VIRAT  VIRAT |
| 10 | What will be the output of following program:    a='hello'  b='virat'  for i in range(len(a)):  print(a[i],b[i])    Ans:  h v  e i  l r  l a  o t |
| 11 | What will be the output of following program:  a='hello'  b='virat'  for i in range(len(a)):  print(a[i].upper(),b[i])      Ans:    H v  E i  L r  L a  O t |
| 12 | What will be the output of following program:  print("xyyzxyzxzxyy".count('xyy', 2, 11)) |

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|  | Ans:    0 |
| 13 | What will be the output of following program:  print(“hello”+1+2+3)    Ans:  invalid character '“' |
| 14 | What will be the output of following program:  str1 = "PYTHONORG1.COM"  print(str1[1:4], str1[:5], str1[4:], str1[0:-1], str1[:-1])      Ans:  YTH PYTHO ONORG1.COM PYTHONORG1.CO PYTHONORG1.CO |
| 15 | What will be the output of following program:  str = "my name is kunfu pandya";  print (str.capitalize())    Ans:  My name is kunfu pandya |
| 16 | What will be the output of following program:  str1 = 'Hello'  str2 ='World!'  print('str1 + str2 = ', str1 + str2)  print('str1 \* 3 =', str1 \* 3)    Ans:  str1 + str2 = HelloWorld!  str1 \* 3 = HelloHelloHello |
| 17 | What will be the output of following program:  count = 0  for letter in 'Hello World':  if(letter == 'l'):  count += 1  print(count,'letters found')    Ans:  3 letters found |

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| 18 | What will be the output of following program:    s="python4csip"  n = len(s) m=''  for i in range(0, n):  if (s[i] >= 'a' and s[i] <= 'm'):  m = m + s[i].upper()  elif (s[i] >= 'n' and s[i] <= 'z'):  m = m + s[i-1]  elif (s[i].isupper()):  m = m + s[i].lower()  else:  m = m + '#'  print(m)    Ans:  ppyHho#CcIi |
| 19 | What will be the output of following program:  a = "Mahender Singh Dhoni"  b= a.split()  c= a[0][0]+". "+a[1][0]+". "+a[2]  print (b)    Ans:  ['Mahender', 'Singh', 'Dhoni'] |
| 20 | What will be the output of following program: s='Mahender, Singh, Dhoni'  s1=s.split()  for i in s1:  print(i)    Ans:  Mahender,  Singh,  Dhoni |
| 21 | What will be the output of following program:  Print("Welcome to Python4csip.com".split() )    Ans:  ['Welcome', 'to', 'Python4csip.com'] |

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|  | ['Welcome', 'to', 'Python4csip.com'] |
| 22 | What will be the output of following program:  str ='Hello Python'  print(str)  print(str[0])  print(str[2:8])  print(str[3:])  print(str \* 3)  print (str + "String")    Ans:  Hello Python  H  llo Py  lo Python  Hello PythonHello PythonHello Python  Hello PythonString |
| 23 | What will be the output of the program?  line = "PYTHON IS EASY TO LEARN"  L = line.split('a')  for i in L:  print(i, end=' ')    Ans:  PYTHON IS EASY TO LEARN |
| 24 | What will be the output of following program: s='mahender, singh, dhoni'  s1=s.split()  for i in s1:  if(i>'n'): print(i.upper())  else: print(i)  Ans:  mahender,  SINGH,  dhoni |

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| 25 | What will be the output of following program: my\_string = 'PYTHON4CSIP'  for i in range(len(my\_string)):  print (my\_string)  my\_string ='#'    Ans:  #  #  #  #  #  #  #  #  #  # |
| 26 | What will be the output of following program: str="Pythoncsip.com" for i in range(len(str)):  if(str[i].isalpha()): print(str[i-1],end='')  if(str[i].isdigit()):  print(str[i],end='')    Ans:  mPythoncsi.co |
| 27 | What will be the output of following program: str="AB145CVD124N"  for i in range(len(str)):  if(str[i].isalpha()):  print(str[i-1],end='')  if(str[i].isdigit()):  print('#',end='')    Ans:  NA###5CV###4 |

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| 28 | What will be the output of following program: str="PYTHON4CSIP"  for i in range(len(str)):  if(str[i].isdigit()):  print(str[i],end='')  if(str[i]=='N'or str[i]=='Y'):  print('#',end='')    Ans:  ##4 |
| 29 | Write a Program to Count the Number of Vowels in a String.    Ans:    string = "chhagan"  vowels = "aeiouAEIOU"  count = sum(string.count(vowel)for vowel in vowels)  print(count)  Ans:  2 |
| 30 | Write a Program to Take in a String and Replace Every Blank Space with Hyphen.    Ans:  str = "Chhagan is a good boy"  print(str)  str = str.replace(" ","\_")  print(str)  output:  Chhagan is a good boy  Chhagan\_is\_a\_good\_boy |
| 31 | Write a Program to Calculate the Length of a String Without Using a Library Function    Ans: |

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|  | str="Chhagan"  count = 0  for i in str:  count+=1  print(count)  output: 7 |
| 32 | Write a Program to Calculate the Number of Words and the Number of Characters Present in a String    Ans:    str = "Chhagan is a good"  wCount = 0  cCount = 0  w = str.split()  wCount = len(w)  for i in w:  cCount += len(i)  print(wCount)  print(cCount)  4  14 |
| 33 | Write a Program to Take in Two Strings and Display the Larger String without Using Built-in Functions    Ans:    str1 = "Chhagan kumawat"  str2 = "Rahul rathode"  l1=0  l2=0  for i in str1:  l1+=1  for i in str2:  l2+=1  if l1>l2:  print(str1)  elif l2>l1:  print(str2)  else:  print("The both string are the equal")  output: Chhagan kumawat |

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| 34 | Write a Program to Count Number of Lowercase Characters in a String      Ans:  str = "Chhagan"  count = 0  for i in str:  if i.islower():  count+=1  print(count)  output: 6 |
| 35 | Write a Program to Check if a String is a Palindrome or Not  Ans:  str = "abba"  str1 = str.replace(" ", " ").lower()  if str==str1[::-1]:  print("The string is palindrome.")  else:  print("The string is not palindrome.")  output:  The string is palindrome. |
| 36 | Write a Program to Calculate the Number of Upper Case Letters and Lower Case Letters in a String  Ans: |

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|  | str = "CHHagan"  uCount = 0  lCount = 0  for i in str:  if i.isupper():  uCount+=1  elif i.islower():  lCount+=1  else:  print("You are define number so this is not Upper case and Lower case")  print(uCount)  print(lCount)  output:  3  4 |
| 37 | Write a Program to Calculate the Number of Digits and Letters in a String.    Ans:  str = input("Enter a string ")  dCount=0  lCount=0  for i in str:  if i.isdigit():  dCount+=1  elif i.isalpha():  lCount+=1  else:  print("Error")  print(dCount)  print(lCount)  output:  Enter a string Chhagan123  3  7 |
| 38 | Write a Program to Form a New String Made of the First 2 and Last 2 characters From a Given String    Ans:  str = "He is a good boy"  if len(str)<2:  print("String length is shorted")  else:  newStr = str[:2]+str[-2:]  print(newStr)  output:  Heoy |

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| 39 | Write a Program to Count the Occurrences of Each Word in a Given String Sentence    Ans:  str = "For each word, we check if it's already in the word\_count dictionary. If it is, we increment its count. If not, we add it to the dictionary with a count of 1."  str = str.lower()  for i in ".,?!":  str = str.replace(i,'')  w = str.split()  wCount ={}  for j in w:  if j in wCount:  wCount[j]+=1  else:  wCount[j]=1  print(wCount)    output:  {'for': 1, 'each': 1, 'word': 1, 'we': 3, 'check': 1, 'if': 3, "it's": 1, 'already': 1, 'in': 1, 'the': 2, 'word\_count': 1, 'dictionary': 2, 'it': 2, 'is': 1, 'increment': 1, 'its': 1, 'count': 2, 'not': 1, 'add': 1, 'to': 1, 'with': 1, 'a': 1, 'of': 1, '1': 1} |
| 40 | Write a Program to Check if a Substring is Present in a Given String  Ans:  str1 = "Chhagan Kumawat"  subStr = "Kumawat"  print("Your name is ",subStr," And last name is", str1)  if subStr in str1:  print("YES")  else:  print("NO")  output:  Your name is Kumawat And last name is Chhagan Kumawat  YES |

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| 41 | Write a Python Program to check First Occurrence of a Character in a String  Ans:  str = "Chhagan Kumawat"  char = "K"  s = 0  for i in range(len(str)):  if str[i] == char:  s =1  break  if s == 0:  print("We have not found the search character in string")  else:  print("The first Occurence of ",char," is found at position", i + 1)  output:  The first Occurence of K is found at position 9 |
| 42 | Write a Python Program to find ASCII Value of a Character    Ans:    char ="A"  ord(char)  a = ord(char)  print(a)  output :  65 |
| 43 | Write a Python Program to Remove Last Occurrence of a Character in a String    Ans:  str = "Chhagan"  char ="a"  print(str)  index = str.rfind(char)  if index != -1:  print(str[:index]+ str[index+1:])  else:  print(str)  output:  Chhagan  Chhagn |