LAB # 12

STRINGS

**EXERCISE**

1. **Point out the errors, if any, and paste the output also in the following Python programs.**
2. Code:

|  |
| --- |
| a = "PYTHON"  a[0] = "x"  #Apply Exception for mention error |

Output:

|  |
| --- |
| Str function is not used. |

1. Code:

|  |
| --- |
| a = STRING  i = 0  while i < len(b):  c = a[i]  print(c)  i+=i + 1 |

Output:

|  |
| --- |
| B is written instead of a. |

1. Code:

Def 1my\_function(x):

return x[::-1]

mytxt = 1my\_function("I wonder how this text looks like backwards")

print(mytxt)

Output:

|  |
| --- |
| Numeric value in defining function is causing an error. |

1. **What would be the output of the following programs:**
2. Code:

|  |
| --- |
| s= "Welcome"  for i in range(0, len(s), 2):  print(s[i], end = '') |

Output:

|  |
| --- |
|  |

1. Code:

|  |
| --- |
| s = input("Enter a string: ")  if "Python" in s:  print("Python", "is in", s)  else:  print("Python", "is not in", s) |

Output:

|  |
| --- |
|  |

1. Code:

|  |
| --- |
| str='cold'  list\_enumerate=list(enumerate(str))  print("list enumerate:", list\_enumerate)  print("list length:", len(str))  s1 = "Welcome to Python"  s2 = s1.replace("o","abc")  print(s2)  a = "Python" + "String"  b = "<" + a\*3 + ">"  print(b) |

Output:

|  |
| --- |
|  |

1. **Write Python programs for the following**:
   1. Write a program that Store a person’s name, and include some whitespace characters at the beginning and end of the name. Make sure you use each character combination, "\t" and "\n", at least once. Print the name once, so the whitespace around the name is displayed. Then print the name using each of the three stripping functions, lstrip(),rstrip(), and strip().

**CODE:**

|  |
| --- |
| name=input('Enter Name: ')  print(name,'\n')  LStp\_name=name.lstrip( ' Abdul')  RStp\_name=name.rstrip( ' Chishti')  Stp\_name=name.strip( ' Abdul Chishti')  print('Lstripped Name:')  print(LStp\_name,'\n')  print('Rstripped Name:')  print(RStp\_name,'\n')  print('Stripped Name:')  print(Stp\_name,'\n') |

**OUTPUT**:

|  |
| --- |
|  |

* 1. Write a program that asks the user for their favourite color. Create the following output (assuming blue is the chosen color) (hint: use ‘+’ and ‘\*’)

blueblueblueblueblueblueblueblueblueblue

blue blue

blueblueblueblueblueblueblueblueblueblue

**CODE:**

|  |
| --- |
| clr=input('Enter a colour: ')  print('\t\t',clr\*10)  print('\t\t',clr,"\t\t\t ",clr)  print('\t\t',clr\*10) |

**OUTPUT**:

|  |
| --- |
|  |