

Lab 3

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Enrollment No:- 92200133030

CO1: To write, test, and debug simple Python programs

CO2: To implement Python programs with conditional, loops and functions

Task 1:- Implementing Different String Methods

Python Code:

```
a = "Aryan Langhanoja"
print(a[-4:])
print(a[3:8])
print(a.title())
print(a.istitle())
print(a.islower())
print(a.isupper())
print(a.find('l'))
print(a.rfind('a'))
```

Output:

```
PS D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 2> d:;
n\Lab Manual\Lab - 2'; & 'D:\python.exe' 'c:\Users\abc\.vscode\extensions
n\debugpy\adapter/../../debugpy\launcher' '58869' '--' 'd:\Aryan\Semester
23 LAB-3.py'
noja
an La
Aryan Langhanoja
True
False
False
-1
15
```

Task 2:- Implementing Different String Methods

Python Code:

```
y = "    Aryan Langhanoja    "
print(y.strip())
z = "Aryan Patel"
print(z.replace("Patel", "Langhanoja"))
print(z.find('a'))
```

```
print(z.replace('a','b'))  
print(z.index('a'))  
print(z.rindex('a'))
```

Output:

```
PS D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 2> d:; cd  
n\Lab Manual\Lab - 2'; & 'D:\python.exe' 'c:\Users\abc\.vscode\extensions\ms-p  
n\debugpy\adapter/../../debugpy\launcher' '58918' '--' 'd:\Aryan\Semester - 3\  
23 LAB-3.py'  
Aryan Langhanoja  
Aryan Langhanoja  
3  
Arybn Pbtel  
3  
7  
PS D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 2> █
```

Task 3:- Implementing Different String Methods**Python Code:**

```
num = '123'  
alpha = 'Aryan'  
alphanum = 'Aryan@123'  
print(num.isnumeric())  
print(alpha.isalpha())  
print(alphanum.isalnum())  
print(num.isdecimal())
```

Output:

```
PS D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 3> d:; cd 'd:\Aryan\Semester - 3\  
al\Lab - 3'; & 'D:\python.exe' 'c:\Users\abc\.vscode\extensions\ms-python.python-2023.12.0\pythonFil  
/..\debugpy\launcher' '59035' '--' 'D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 3'  
True  
True  
False  
True  
9  
Langhanoj  
PS D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 3>
```

Task 4:- Remove Repeating Character Once from a string**Python Code:**

```
A = "Langhanoja"  
index = A.rfind('a')  
list1 = list(A)  
list1.pop(index)  
result = "  
for i in range(0,len(list1)) :
```

```
result += list1[i]  
print(result)
```

Output:

```
PS D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 3> d:; cd 'd:\Aryan\Semester - 3'; & 'D:\python.exe' 'c:\Users\abc\.vscode\extensions\ms-python.python-2023.11.1\bin\python.exe' 'd:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 3\Langhanoj.py'  
PS D:\Aryan\Semester - 3\Programming With Python\Lab Manual\Lab - 3>
```