

String Exercises

Exercise 1:

Write a program to find a string of first, middle and last character of your name

- For example:

```
str1 = "James"
```

- Expected output:

Jms

Exercise 2:

Write a program to create a string made of the middle three characters

- Given:

Str1 = "JohnDipPete"

Str2 = "JaSonAy"

- Expected output:

Original String is JhonDipPeta

Middle three chars are: Dip

Original String is JaSonAy

Middle three chars are: Son

Exercise 3:

Write a program to arrange string character which begin with lowercase letters

- Given:

```
str1 = "PYnACTivE"
```

- Expected Output:

```
ntivPYACE
```

Exercise 4:

Write a program to count all letters, digits and special symbols from a given string

- Given:

```
str1 = "John_doe&2023@app.newworld2k"
```

- Expected output:

The string given is John_Doe&2023@app.newworld2k

total counts of chars, digits, and symbols are

Chars = 19

Digits = 5

Symbol = 4

Exercise 5:

Write a program to create a mixed string to generate as a following expected output

- Given

```
str1 = "Abc"
```

```
str2 = "Xyz"
```

- Expected output:

```
AzbycX
```

Exercise 6:

Write a program to find all occurrences in `string2` in `string1`

- Given:

```
str1 = "Welcome to APU, APU Uni, Kuala Lumpur, Malaysia"
```

```
str2 = "APU"
```

- Expected Output:

The APU count is 2.

Exercise 7:

Write a program to calculate sum and average the digits in a given strings

- Given:

```
str1 = "Bye 2022 and welcome 2023"
```

- Expected output:

Sum is : 13 Average is 1.625

Exercise 8:

Write a program to find the last position of the occurrence string

- Given:

str1: "Ally is a system analyst. Ally works at APU"

- Expected output:

Original String is: Ally is a system analyst. Ally works at APU.

Last occurrence of Ally starts at index: 26

Exercise 9:

Write a program to remove only characters in a given string and print the digits

- Given:
- Str1 = "I am 25 years and 10 months old"

- Expected Output:

The original string is I am 25 years and 10 months old
2510

Exercise 10:

Write a program to print words with both digits and letters

- Given:

```
str1 = " Ally1995 is a 50thData Scientist and AI experts"
```

- Expected Output:

Ally1995

50thData