Tasks Sheet
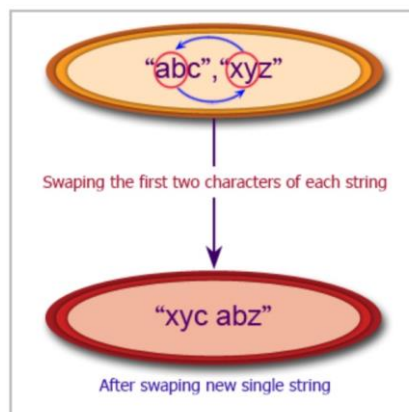
Tasks about Print

1- Write a program that prints "hello world" message.
2- Write a program that concatenates any two strings.
3- Write a program that concatenates three strings "Hello" string, your first name, and your last name.

Tasks about Strings

4- **Write a program that** converts the given string to upper case. # use upper() function.

5- **Write a program that** converts the given string to lower case. # use lower() function.

6- **Write a program that has a string of your name, first name, and last name such as name="Ahmed Ali". This program output only your first name.** #use slicing of string.

7- **Write a program that creates the below string from another two strings.** #use slicing of string. By slicing the corresponding indices from the given strings to create output strings.

"abc", "xyz"

Swaping the first two characters of each string

"xyc abz"

After swaping new single string

Tasks about Numbers

8- **Write a program that adds two numbers.**
9- **Write a program that multiplies two numbers.**
10- **Write a program that gives the square of a number.**
#multiply number by number to create the square.
11- **Write a program that gives the area of a triangle.** #given two values about base, and high of triangle, calculate area which is 0.5 * base* high.

12- **Write a program that gives the power of a number, and 3.** # raise the number to the power 3.

13- **Write a program that swaps two numbers.**

Tasks about Conditions

14- **Write a programs the checks if a number is greater than 10 or not.**

15- **Write a programs the checks if a number equals 3 or not.**

16- **Write a program that checks if a number I negative, positive, or zero.** *#if number is greater than zero, equals zero, or less than zero.*

17- **Write a program that checks if a number is even or odd. #if year is divisible by 2 or not.** #Divisible means remainder is zero. Remainder means after we divide on two, is there any remainder.

18- **Write a program that checks if the year is leap or not.** #if year is divisible by 4 or not. Divisible means remainder is zero. Remainder means after we divide on four, is there any remainder.

 # Tasks about Loops

19- **Write a program that checks if a number is prime or not.** #loop through all values in a range starting from 2 to the given number.

20- **Write a program that create a simple calculator that add/subtract/multiply or divide two numbers.** #loop through options. If user enter 1 this means subtract two numbers, If user enter 2 this means add two numbers, and so on for the four options 1->subtract, 2->add, 3-> multiply, and 4-> divide.