

ITC LAB #09-B

LAB TASK

1. **Write a function name Hangman**

Which keeps prompting the user to guess a character from a selected word. The user is allowed up to ten guesses – write your code in such a way that the secret word and the number of allowed guesses are easy to change. Print messages to give the user feedback.

Hint:

`WORDS = ("python", "jumble", "easy", "difficult", "answer", "FAST")`

`word = random.choice(WORDS) #it will randomly chose a word from the define list`

```
What is your name? safia
Hello, safia Time to play hangman!
```

```
Start guessing...
_ _ _ _ _
guess a character: a
Wrong
You have 9 more guesses
```

```
_ _ _ _ _
guess a character: e
_ _ _ _ _ e
guess a character: x
Wrong
You have 8 more guesses
```

```
_ _ _ _ _ e
guess a character: j
j _ _ _ _ e
guess a character: u
j u _ _ _ e
guess a character: m
j u m _ _ e
guess a character: b
j u m b _ e
guess a character: l
j u m b l e You won
```

2. **Write a python function for calculator. It take one or multiple number argument as well as optional keyword parameter. The function should apply the operation to the first two numbers, and then apply it again to the result and the next number, and so on.**

For example, if the numbers are 6, 4, 9 and 1 and the operation is subtraction the function should return 6 - 4 - 9 - 1. If only one number is entered, it should be returned unmodified.

3. Write a python function that take a list as a argument. Duplicate the list and at the last index store the sum of the list. Return the duplicated list. Print both original and duplicate list
4. Write a function which take a list as a parameter and return the max value.(**Don't use any built in function you can only use selection statements and iterations**)
5. *Write a python function which repeatedly prompts the user for an integer. If the integer is even, print the integer. If the integer is odd, don't print anything. Exit the program if the user enters the integer 99.*
6. Create a function called hypotenuse, which takes two numbers as parameters and prints the square root of the sum of their squares.
 - Call this function with two floats.
 - Call this function with two integers.
 - Call this function with one integer and one float
7. Write a python function that takes a number as a parameter and print the table

Expected output should be like:

Enter number:2

2 x 1 = 2

2 x 2 = 4

2 x 3 = 6

2 x 4 = 8

2 x 5 = 10

2 x 6 = 12

2 x 7 = 14

2 x 8 = 16

2 x 9 = 18

2 x 10 = 20