

## The sys module

In this notebook we discuss the `sys` module. The `sys` module provides a number of functions and variables that give programmers access to system specific information. In this course we will study just one specific function - `exit` function which terminates an executing program.

In [1]:

```
'''
Write a program to accept two integer values each less than or equal to 10 from the user. If either integer is negative or more than 10 terminate the program. Otherwise print a rectangle of '*'s. Each line will have as many '*'s as specified by the first integer and there will be as many lines as specified by the second integer.
'''

import sys
cols = int(input('Enter a positive integer less than or equal to 10: '))
rows = int(input('Enter a positive integer less than or equal to 10: '))
print()
if cols < 1 or cols > 10 or rows < 1 or rows > 10:
    print('Enter a positive integer less than or equal to 10')
    sys.exit(0)
for i in range (rows):
    for j in range(cols):
        print('*', end='')
    print()
```

```
Enter a positive integer less than or equal to 10: 8
Enter a positive integer less than or equal to 10: 2
```

```
*****
*****
```