OS Assignment 6

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BSSE-4A

Task 01:

```
In [5]: from multiprocessing import Process
        import os

        def info(title):
            print(title)
            print('module name:', __name__)
            print('parent process:', os.getppid())
            print('process id:', os.getpid())

        def f(name):
            info('function f')
            print('hello', name)

        if __name__ == '__main__':
            info('main line')
            p = Process(target=f, args=('bob',))
            p.start()
            p.join()
            print("\n\n")
            q = Process(target=f, args=('Margret',))
            q.start()
            q.join()
            print("\n\n")
            s = Process(target=f, args=('Lina',))
            s.start()
            s.join()
```

Output:

```
main line
module name:  __main__
parent process: 3396
process id: 3587
function f
module name:  __main__
parent process: 3587
process id: 4160
hello bob



function f
module name:  __main__
parent process: 3587
process id: 4197
hello Margret



function f
module name:  __main__
parent process: 3587
process id: 4234
hello Lina
```

Explanation:

Process function creates a process and it takes 2 arguments. One is the name of the function to be called and the other is the argument for that function. Then we have to start the process by the start function.