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2. Reproduce the code given in the section titled, "The Process Class".

```
code01.py > ...
1    from multiprocessing import Process
2
3    def f(name):
4        print('hello', name)
5
6    if __name__ == '__main__':
7        p = Process(target=f, args=('Jawad',))
8        p.start()
9        p.join()
```

OUTPUT

```
enstazao@enstazao-Victus-by-HP-Laptop-16-d0xxx:~/06-Assignment$ python3 code01.py
hello Jawad
enstazao@enstazao-Victus-by-HP-Laptop-16-d0xxx:~/06-Assignment$
```

```
code02.py > ...
1    from multiprocessing import Process
2    import os
3
4    def info(title):
5        print(title)
6        print('module name:', __name__)
7        print('parent process:', os.getppid())
8        print('process id:', os.getpid())
9
10   def f(name):
11       info('function f')
12       print('hello', name)
13
14   if __name__ == '__main__':
15       info('main line')
16       p = Process(target=f, args=('Jawad',))
17       p.start()
18       p.join()
```

OUTPUT

```
enstazao@enstazao-Victus-by-HP-Laptop-16-d0xxx:~/06-Assignment$ python3 code02.py
main line
module name: __main__
parent process: 3515
process id: 4377
function f
module name: __main__
parent process: 4377
process id: 4378
hello Jawad
enstazao@enstazao-Victus-by-HP-Laptop-16-d0xxx:~/06-Assignment$
```

3. Currently, only a single process is being created instead. Modify the code so that 3 processes are created. Make sure your output clearly demonstrates that there are three processes.

```python
q-1.py > ...
1    from multiprocessing import Process
2
3    def f(name):
4        print(name)
5
6    if __name__ == '__main__':
7        p = Process(target=f, args=('Process One',))
8        q = Process(target=f, args=('Process Two',))
9        r = Process(target=f, args=('Process Three',))
10       p.start()
11       q.start()
12       r.start()
13       p.join()
14       q.join()
15       r.join()
16
```

OUTPUT

```
enstazao@enstazao-Victus-by-HP-Laptop-16-d0xxx:~/06-Assignment$ python3 q-1.py
Process One
Process Three
Process Two
enstazao@enstazao-Victus-by-HP-Laptop-16-d0xxx:~/06-Assignment$
```

4. Briefly write an explanation of how the Process class works. Your explanation should not be more than 3 lines long.

The Process class is taking two parameters one is the **function** and the other are the **function arguments** and in this way process created. Then we have to start the process but in order to let our process to complete it's execution we have to join the process so that on exiting of main function let the process to complete it's execution and then exits.