

#HW-1,4110056009 陳柏硯

(1)allocate_map()

```
-----Allocating bitmap-----  
bitmap[0]=0  
bitmap[1]=0  
bitmap[2]=0  
bitmap[3]=0  
-----
```

(2)allocate_pid

一般 Allocate

```
-----  
(1)create a process (2)delete a process (3)exit  
Please enter your choice :1  
Sussful to allocated PID,the new PID of process: 4  
bitmap[0]=31  
bitmap[1]=0  
bitmap[2]=0  
bitmap[3]=0  
-----
```

Full of bit map

```
-----  
(1)create a process (2)delete a process (3)exit  
Please enter your choice :1  
Sussful to allocated PID,the new PID of process: 127  
bitmap[0]=-1  
bitmap[1]=-1  
bitmap[2]=-1  
bitmap[3]=-1  
-----  
(1)create a process (2)delete a process (3)exit  
Please enter your choice :1  
fail to allocated bit!  
bitmap[0]=-1  
bitmap[1]=-1  
bitmap[2]=-1  
bitmap[3]=-1  
-----  
(1)create a process (2)delete a process (3)exit
```

(3) release_pid()

If PID is not allocated

```
-----  
(1)create a process (2)delete a process (3)exit  
Please enter your choice :2  
Please enter the pid you want to delete :2  
bitmap[0]=1019  
bitmap[1]=0  
bitmap[2]=0  
bitmap[3]=0  
-----
```

```
(1)create a process (2)delete a process (3)exit  
Please enter your choice :2  
Please enter the pid you want to delete :2
```

```
This Pid is not allocated  
-----
```

```
(1)create a process (2)delete a process (3)exit
```

(4)exit

```
-----  
(1)create a process (2)delete a process (3)exit  
Please enter your choice :3  
Exit this process!  
-----
```

```
Process exited after 9.657 seconds with return value 0  
請按任意鍵繼續 . . .
```

(5)out of choice

```
-----  
(1)create a process (2)delete a process (3)exit  
Please enter your choice :4  
you input the wrong choice!! try again  
-----
```

```
(1)create a process (2)delete a process (3)exit
```