Assignment 2

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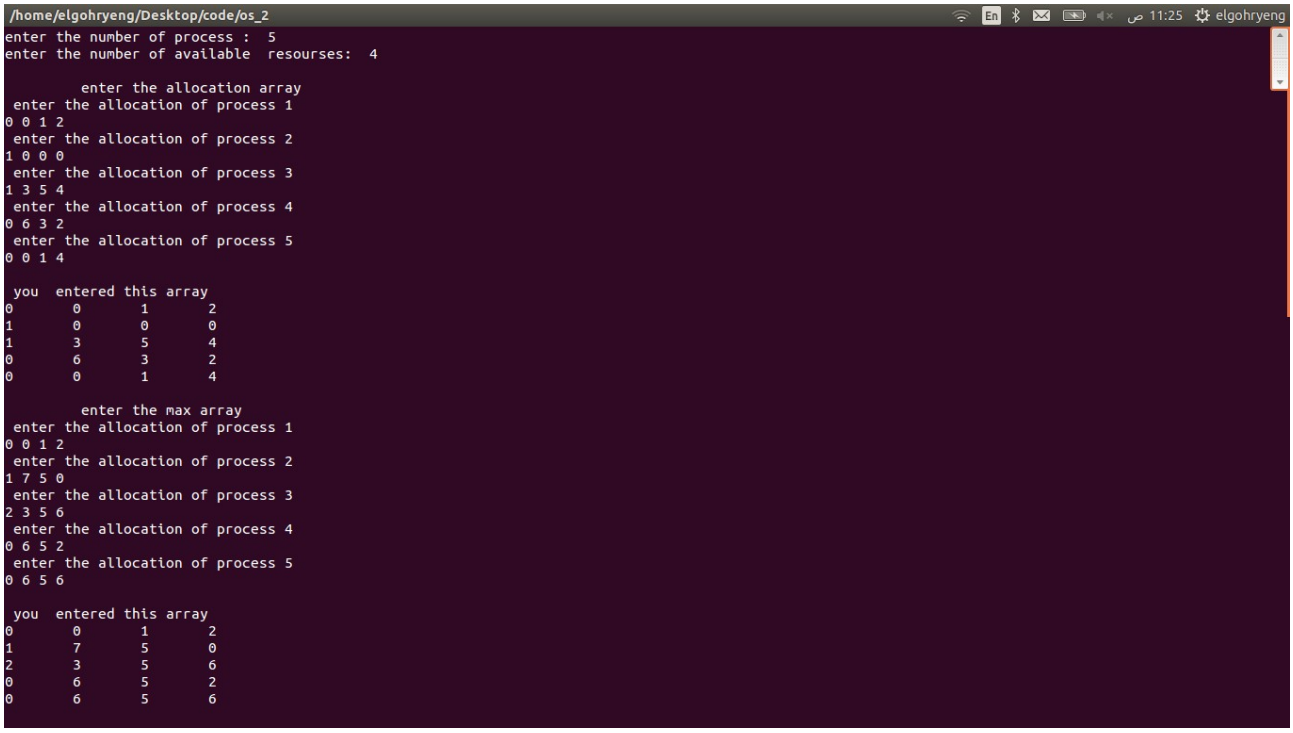
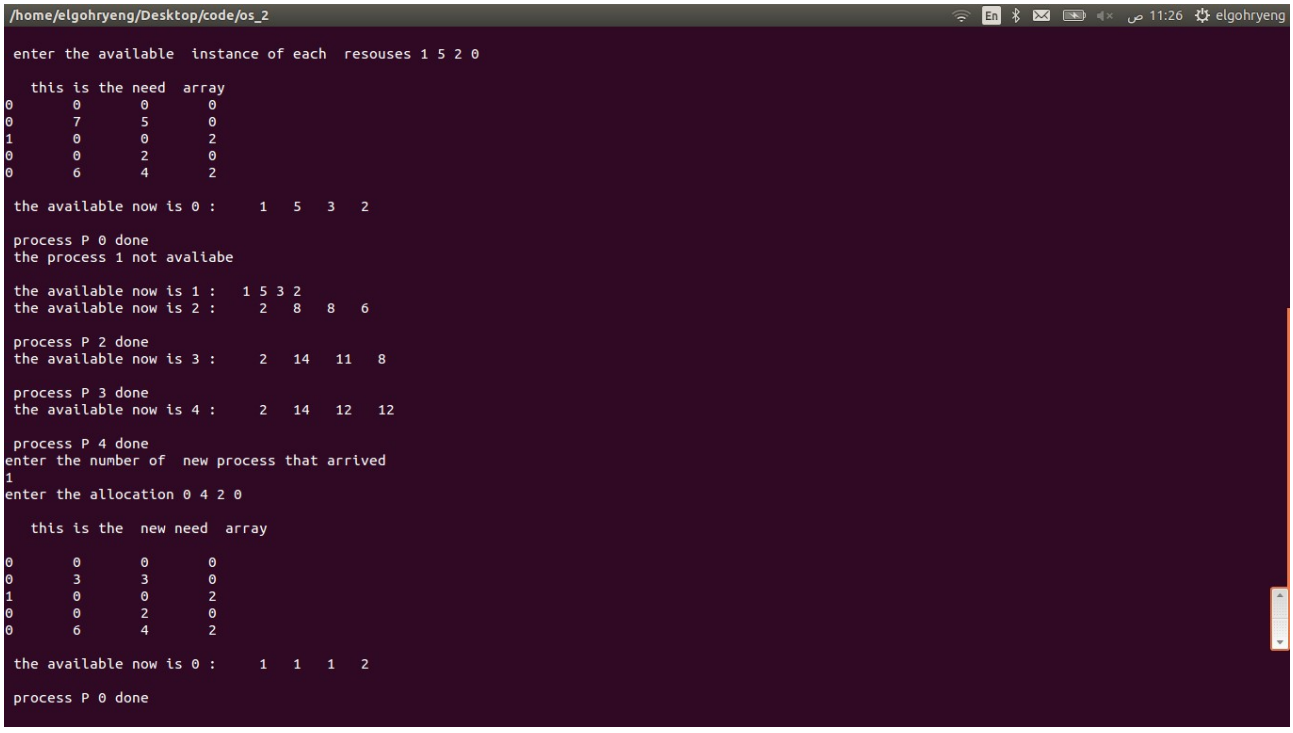
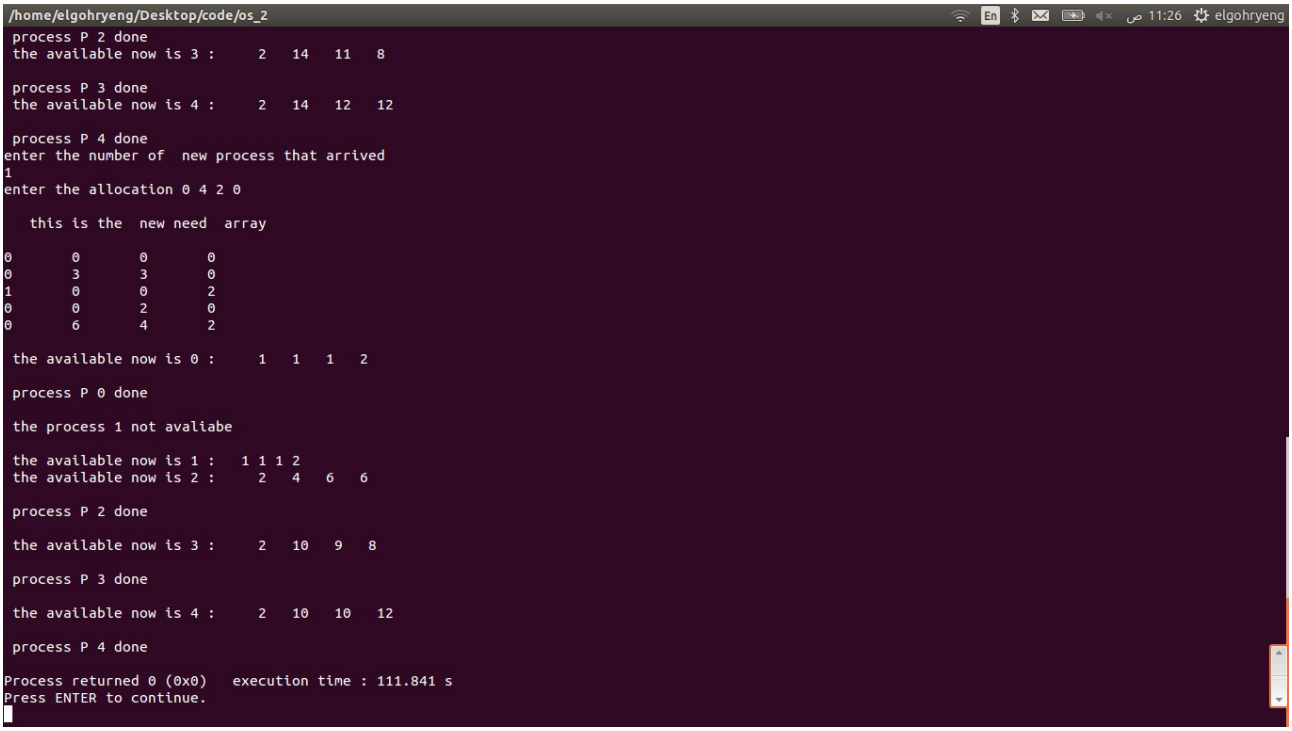
the result



```
/home/elgohryeng/Desktop/code/os_2                    ص 11:25 elgohryeng
enter the number of process :  5
enter the number of available  resourses:  4

         enter the allocation array
 enter the allocation of process 1
0 0 1 2
 enter the allocation of process 2
1 0 0 0
 enter the allocation of process 3
1 3 5 4
 enter the allocation of process 4
0 6 3 2
 enter the allocation of process 5
0 0 1 4

 you  entered this array
0       0       1       2
1       0       0       0
1       3       5       4
0       6       3       2
0       0       1       4

         enter the max array
 enter the allocation of process 1
0 0 1 2
 enter the allocation of process 2
1 7 5 0
 enter the allocation of process 3
2 3 5 6
 enter the allocation of process 4
0 6 5 2
 enter the allocation of process 5
0 6 5 6

 you  entered this array
0       0       1       2
1       7       5       0
2       3       5       6
0       6       5       2
0       6       5       6
```



```
/home/elgohryeng/Desktop/code/os_2                    ص 11:26 elgohryeng

 enter the available  instance of each  resouses 1 5 2 0

   this is the need  array
0       0       0       0
0       7       5       0
1       0       0       2
0       0       2       0
0       6       4       2

 the available now is 0 :     1   5   3   2

 process P 0 done
 the process 1 not avaliabe

 the available now is 1 :   1 5 3 2
 the available now is 2 :     2   8   8   6

 process P 2 done
 the available now is 3 :     2   14   11   8

 process P 3 done
 the available now is 4 :     2   14   12   12

 process P 4 done
enter the number of  new process that arrived
1
enter the allocation 0 4 2 0

   this is the  new need  array

0       0       0       0
0       3       3       0
1       0       0       2
0       0       2       0
0       6       4       2

 the available now is 0 :     1   1   1   2

 process P 0 done
```


/home/elgohryeng/Desktop/code/os_2
En
ص 11:26
elgohryeng
process P 2 done
the available now is 3 : 2 14 11 8
process P 3 done
the available now is 4 : 2 14 12 12
process P 4 done
enter the number of new process that arrived
1
enter the allocation 0 4 2 0
this is the new need array
0 0 0 0
0 3 3 0
1 0 0 2
0 0 2 0
0 6 4 2
the available now is 0 : 1 1 1 2
process P 0 done
the process 1 not avaliabe
the available now is 1 : 1 1 1 2
the available now is 2 : 2 4 6 6
process P 2 done
the available now is 3 : 2 10 9 8
process P 3 done
the available now is 4 : 2 10 10 12
process P 4 done
Process returned 0 (0x0) execution time : 111.841 s
Press ENTER to continue.