

Project Management - From Theory to Practice Assignment #2

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Exercise #1 -

```
Console 1/A
In [1]: runfile('D:/Fall 2020-2021/PM Lab/Python for PM/Probelm1_Sara Younes - 2018380215.py', wdir='D:/Fall 2020-2021/PM Lab/Python for PM')
The early start, early finish, late start, late finish, free slack, total slack of each activity are:
0: 0 0 0 0 0 0
1: 0 3 17 20 0 17
2: 0 1 0 1 0 0
3: 0 10 16 26 0 16
4: 1 10 1 10 0 0
5: 3 8 37 42 31 34
6: 10 20 10 20 0 0
7: 1 5 11 15 0 10
8: 5 12 15 22 0 10
9: 10 16 36 42 0 26
10: 20 23 40 43 0 20
11: 20 26 20 26 0 0
12: 23 32 43 52 20 20
13: 26 36 26 36 0 0
14: 36 37 36 37 0 0
15: 3 10 28 35 10 25
16: 20 29 23 32 0 3
17: 12 20 22 30 0 10
18: 29 39 32 42 0 3
19: 20 27 30 37 10 10
20: 29 33 38 42 4 9
21: 20 22 35 37 15 15
22: 39 49 42 52 3 3
23: 37 44 37 44 0 0
24: 10 13 39 42 3 29
25: 44 52 44 52 0 0
26: 16 21 42 47 2 26
27: 29 37 47 55 0 18
28: 37 44 55 62 18 18
29: 52 62 52 62 0 0
30: 23 30 55 62 32 32
31: 62 62 62 62 0 0
The critic activities of this project are:
0 2 4 6 11 13 14 23 25 29 31
```

Exercise #2 -

The probability that the project can be finished before **62 days** is: **85.57%**.

```
In [1]: runfile('D:/Fall 2020-2021/PM Lab/Python for PM/Probelm2_Sara Younes - 2018380215.py',
wdir='D:/Fall 2020-2021/PM Lab/Python for PM')
The probability that the project can be finished before 62 days is: 85.57000000000001%
```

