

Job Scheduling

Code:

In [7]:

```
def JobScheduling(arr, t):
    n = len(arr)
    for i in range(n):
        for j in range(n - 1 - i):
            if arr[j][2] < arr[j + 1][2]:
                (arr[j], arr[j + 1]) = (arr[j + 1], arr[j])

    job = ['-1'] * t
    for i in range(n):
        for j in range(min(t-1, arr[i][1]-1), -1, -1):
            if job[j] == '-1':
                job[j] = arr[i][0]
                break
    print(job)

arr = [['a', 2, 100],
       ['b', 1, 19],
       ['c', 2, 27],
       ['d', 1, 25],
       ['e', 3, 15]]

print("Following is maximum profit sequence of jobs:")
JobScheduling(arr, 3)
```

#Output

Following is maximum profit sequence of jobs:
['c', 'a', 'e']