

## 90. Job sequence with deadline

AIM: To solve the job sequence with deadline problem

PROGRAM:

```
def job_sequencing_with_deadline(arr, t):  
    arr.sort(key=lambda x: x[2], reverse=True)  
    result = [False] * t  
    job = [-1] * t  
  
    for i in range(len(arr)):  
        for j in range(min(t - 1, arr[i][1] - 1), -1, -1):  
            if result[j] is False:  
                result[j] = True  
                job[j] = arr[i][0]  
                break  
  
    return job  
  
arr = [('J1', 2, 2), ('J2', 1, 2), ('J3', 3, 1), ('J4', 2, 3)]  
t = 3  
print(job_sequencing_with_deadline(arr, t))
```

```
['J1', 'J4', 'J3']
```

OUTPUT:

TIME COMPLEXITY:  $O(n^2)$