DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING

EXPERIMENT 8

Student Name: Praduman Kumar UID: 20BCS9446

Branch: CSE **Section/Group:** 20BCS_DM_714-A **Semester:** 06 **Subject Name:** Competitive Coding

Subject Code: 20CSP-351

1. AIM: To demonstrate the concept of Greedy Approach

2. OBJECTIVE 1: Jump Game 2

3. **CODE**:

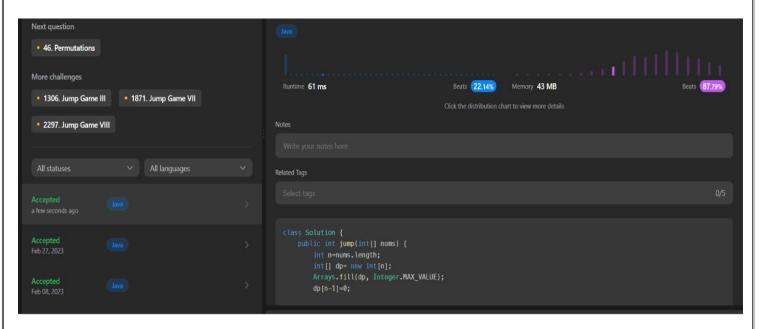
```
class Solution {
   public int jump(int[] nums) {
      int n=nums.length;
      int[] dp= new int[n];
      Arrays.fill(dp, Integer.MAX_VALUE);
      dp[n-1]=0;

      for(int i=n-2;i>=0;i--){
        int min= Integer.MAX_VALUE;
        for(int j=i+1;j<=Math.min(n-1,i+nums[i]);j++){
            min=Math.min(min,dp[j]);
        }
        if(min!=Integer.MAX_VALUE) dp[i] = min+1;
      }
      return dp[0];
   }
}</pre>
```

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4. **OUTPUT:**



5. **OBJECTIVE 2:** IPO

6. CODE:

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```
}else {break;}
}
return w;
}
```

7. OUTPUT

