```
1
     // Assignment 7 - Priority queezy
 2
     class Solution
 3
 4
         public:
         int findMaximizedCapital(int k, int w, vector<int>& profits, vector<int>& capital) {
 5
 6
             vector<pair<int, int>> projects;
 7
             for (int i = 0; i < profits.size(); i++)</pre>
8
9
                  projects.push back(make pair(capital[i], profits[i]));
10
             }
11
             sort(projects.begin(), projects.end());
12
13
             priority queue<int> maxHeap;
14
             int index = 0;
15
             int n = projects.size();
16
17
             for (int i = 0; i < k; i++)
18
19
                  while (index < n && projects[index].first <= w)</pre>
20
21
                      maxHeap.push(projects[index].second);
22
                      index++;
23
24
                  if (!maxHeap.empty())
25
26
                      w += maxHeap.top();
27
                      maxHeap.pop();
28
                  } else {
29
                      break;
30
                  }
31
             }
32
             return w;
33
         }
34
     };
```