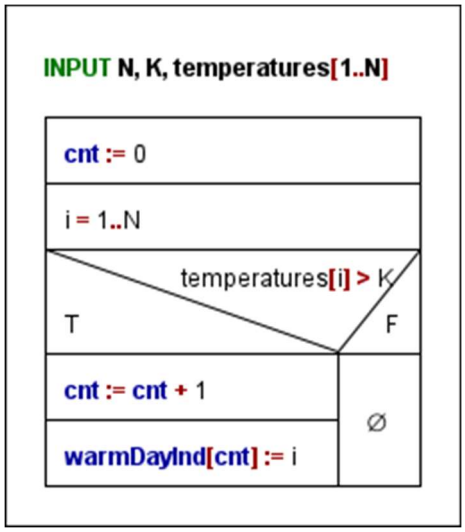
Ulkar Chobanova B2 Task Algorithm, Specification and Code

Pattern of Algorithm : Multiple Item Selection



Specification:

Input:	*Precondition:*
$N \in \mathbb{N}$ $K \in \mathbb{N}$ temperatures[1..N] $\in \mathbb{N}^N$	$1 \le N \le 100$ $20 \le K \le 30$ $0 \le$ temperatures[i] ≤ 40
Output:	*Postcondition:*
cnt $\in \mathbb{N}$ warmDayInd[1..cnt] $\in \mathbb{N}^{cnt}$	(cnt, warmDayInd) = $MULTISELECT(i)_{\substack{i=1 \\ temperatures[i]>K}}^{N(length(temperatures[]))}$

Code:

```
namespace ConsoleApp40
{
    internal class Program
    {
        static void Main(string[] args)
        {
            string[] input = Console.ReadLine().Split();
            int N = int.Parse(input[0]);
            int K = int.Parse(input[1]);

            int[] temperatures = new int[N];
            int[] warmDayInd = new int[N];
            int cnt = 0;

            for (int i = 0; i < N; i++)
```

```
            {
                temperatures[i] = int.Parse(Console.ReadLine());
                if (temperatures[i] > K)
                {
                    warmDayInd[cnt] = i + 1;
                    cnt++;
                }
            }

            Console.Write(cnt + " ");
            for (int i = 0; i < cnt; i++)
            {
                Console.Write(warmDayInd[i] + " ");
            }
        }
    }
}
```