Ulkar Chobanova B1 Task Algorithm, Specification and Code
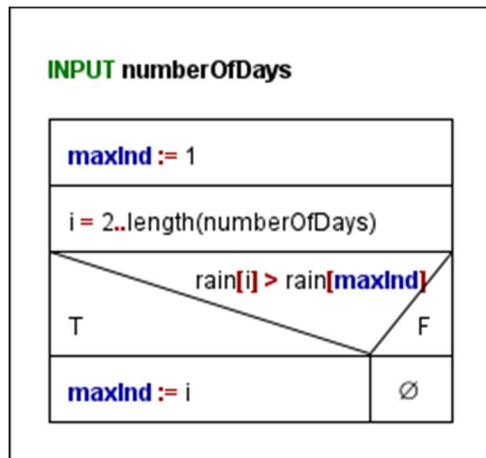
Pattern of Algorithm : Maximum Selection

Specification:

Input:	Precondition:
numberOfDays $\in \mathbb{N}$ rain[numberOfDays] $\in \mathbb{N}$	Length(rain) > 0 numberOfDays > 0
Output:	Postcondition:
maxInd $\in \mathbb{N}$	(maxInd) = $MAXIND(i)_{i=1}^{length(rain)}$

Code:

```csharp
namespace ConsoleApp19
{
    internal class Program
    {
        static void Main(string[] args)
        {
            int numberOfDays;
            numberOfDays = Convert.ToInt32(Console.ReadLine());
            int maxRain = Convert.ToInt32(Console.ReadLine());
            int maxInd = 1;
            for ( int i = 2; i <= numberOfDays; i++)
            {
                int rain = Convert.ToInt32(Console.ReadLine());
                if (rain > maxRain || maxInd == -1)
                {
                    maxRain = rain;
                    maxInd = i;
                }
            }
```

```
            Console.WriteLine(maxInd);
        }
    }
}
```