**package** Question15;

**public** **class** TrappingRainWater {

**static** **int** findWater(**int** arr[], **int** n)

{

**int** result = 0;

**int** left\_max = 0, right\_max = 0;

**int** lo = 0, hi = n-1;

**while**(lo <= hi)

{

**if**(arr[lo] < arr[hi])

{

**if**(arr[lo] > left\_max)

left\_max = arr[lo];

**else**

result += left\_max - arr[lo];

lo++;

}

**else**

{

**if**(arr[hi] > right\_max)

{

right\_max = arr[hi];

}

**else**

result += right\_max - arr[hi];

hi--;

}

}

**return** result;

}

**public** **static** **void** main(String[] args)

{

**int** arr[] = {0, 1, 0, 2, 1, 0, 1,

3, 2, 1, 2, 1};

**int** n = arr.length;

System.***out***.println("Maximum water that "

+ "can be accumulated is "

+ *findWater*(arr, n));

}

}