**package** Question23;

**class** ProductArray

{

**void** productArray(**int** arr[], **int** n)

{

**int** left[] = **new** **int**[n];

**int** right[] = **new** **int**[n];

**int** prod[] = **new** **int**[n];

**int** i, j;

left[0] = 1;

right[n - 1] = 1;

**for** (i = 1; i < n; i++)

left[i] = arr[i - 1] \* left[i - 1];

**for** (j = n - 2; j >= 0; j--)

right[j] = arr[j + 1] \* right[j + 1];

**for** (i = 0; i < n; i++)

prod[i] = left[i] \* right[i];

**for** (i = 0; i < n; i++)

System.***out***.print(prod[i] + " ");

**return**;

}

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

{

ProductArray pa = **new** ProductArray();

**int** arr[] = {10, 3, 5, 6, 2};

**int** n = arr.length;

System.***out***.println("The product array is : ");

pa.productArray(arr, n);

}

}