```java
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this program demonstrates the use of arrays to allow for the user input
of songs and their number of downloads then outputs this info using
arrays to pass this info between methods.
*/

import javax.swing.*;
class Short6
{


    public static void main(String[] args)
    {
     String[] trackNameArray = new String[4];
     int[] trackDownloadArray = new int[4];
     tracks(trackNameArray, trackDownloadArray);
     int totalDownloads = downloads(trackDownloadArray);
     int maxPosition = positionFinder(trackDownloadArray);
     System.out.println("the track dowloaded the most is " + trackNameArray[maxPosition]);
     System.out.println("The total number of downloads of these 4 tracks was " +
totalDownloads);
     trackOutput(trackNameArray, trackDownloadArray);
    } //END main



    //For loop used to allow user input of track info
    public static void tracks(String[] trackNameArray, int[] trackDownloadArray)
    {
    for (int i = 0; i < 4; i++)
    {
    trackNameArray[i] = JOptionPane.showInputDialog("What is track " + (i+1) +"? ");
    trackDownloadArray[i] = Integer.parseInt(JOptionPane.showInputDialog("How many
thousands  of times has it been downloaded?"));
    }
    } //END tracks



    //For loop here used to total the number of downloads input byb the user
    public static int downloads(int[] trackDownloadArray)
    {
    final int finalvalue = 1000;
    int downloads = 0;
    for (int k = 0; k < 4; k++)
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        {
        downloads = downloads + trackDownloadArray[k];
        }
        int totalDownloads = downloads*finalvalue;
        return totalDownloads;
        } //END downloads



        //search method used to find the position in the array of the most downloaded track
        public static int positionFinder(int[] trackDownloadArray)
        {
         int  x = 0, maxPosition = 0;
         for(int j = 0; j < 4; j++)
         {
          if(x < trackDownloadArray[j])
          {
           x = trackDownloadArray[j];
           maxPosition = j;
          }
         }
        return maxPosition;
        } //END positionFinder



        //final method used to list download details
        public static void trackOutput(String[] trackNameArray, int[] trackDownloadArray)
        {
         System.out.println("The details of the downloads are:");
         for(int l = 0; l < 4; l++)
         {
         System.out.println(trackNameArray[l] + ", " + trackDownloadArray[l]*1000);
         }
        return;
        } //END trackOutput



} //END class Short6
```