

TASK ANSWER:

```
const fs = require("fs");

function createBestPracticeList(articles) {
  // Combining all best practices from all articles into a single list
  let combinedBestPracticeList= [];
  let bestPracticesMap = {};

  articles.forEach((article, index) => {
    const articleId = index + 1;
    const bestPractices = getAllBestPractices(article.content, articleId);

    bestPractices.forEach((bestPractice) => {
      const { heading, explanation } = bestPractice;

      // Adding the unique best practice to the combined list
      if (!bestPracticesMap[heading]) {
        bestPracticesMap[heading] = {
          explanation,
          articles: [articleId],
        };
        combinedBestPracticeList.push(heading);
      } else {
        bestPracticesMap[heading].articles.push(articleId);
      }
    });
  });

  // Sorting the combined list
  combinedBestPracticeList.sort((a, b) => {
    const articleCountA = bestPracticesMap[a].articles.length;
    const articleCountB = bestPracticesMap[b].articles.length;
    return articleCountB - articleCountA;
  });

  // Creating the final list with best practices and article indices
  const BPList = combinedBestPracticeList.map((bestPractice) => {
    const { explanation, articles } = bestPracticesMap[bestPractice];
    return {
      bestPractice,
      explanation,
      articles,
    };
  });

  return BPList;
}
```

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}

function getAllBestPractices(content, articleId) {
  let bestPractices = [];
  const practiceSections = content.split("heading1 ");

  // Here "heading1 " is considered as the heading format in above line.

  practiceSections.forEach((section) => {
    const headingEndIndex = section.indexOf("\n");
    if (headingEndIndex !== -1) {
      const heading = section.substring(0, headingEndIndex).trim();
      const explanation = section.substring(headingEndIndex).trim();

      bestPractices.push({
        heading,
        explanation,
        articleId,
      });
    }
  });

  return bestPractices;
}

const practiceList = createBestPracticeList(articles);
fs.writeFile("BestPracticeFile.txt", JSON.stringify(practiceList), (err) => {
  if (!err) {
    console.log("Best Practice File created successfully!")
  }
  else {
    console.log(err.message);
  }
})

```

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