Const fs = require(‘fs’).promises;

Const path=require(‘path’);

Const util=require(‘util’);

Const file=path.resolve(‘data’,’input.txt’)

Const file1=path.resolve(‘data’,’output.json’)

Console.log(file1

)

Const readInputFile=async()=>{

Try {

Const data= await fs.readFile(file,’utf-8’);

Return data

} catch (error) {

Throw new Error(error)

}

}

Const countWords=(dataInput)=>{

Try {

Const cleanedInput=dataInput.toLowerCase().replace(/[^\w\s]/g,’’);

Const list =cleanedInput.split(/\s+/).filter(Boolean);

Let count={}

List.forEach(a=>{

If(count[a]){

Count[a]+=1;

}else{

Count[a]=1;

}

})

Return count

} catch (error) {

Throw new Error(error);

}

}

Const saveWordCount=async()=>{

Try {

Const data= await readInputFile()

Const dataJson=await(countWords(data));

Await fs.writeFile(file1,JSON.stringify(dataJson,null,2),’utf-8’);

} catch (error) {

Throw new Error(error);

}

}

Function main(){

}

countWords(‘Hello world! Hello.’);

module.exports={saveWordCount,countWords,readInputFile}