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B.E. - CSE - IIIsem

Average.java .

```
import java.util.Scanner;
import java.io.File;
import java.io.FileReader;
import java.io.BufferedReader;
import java.io.IOException
Public class Average {
    Public Static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter the name of the file where the details
                            are present:");
        String fileName = sc.nextline();
        int lineCount =0;
        int Sum =0;
        int ValidMarksCount =0;
        boolean hasError = false;
        String errorRemark = " ";
try (BufferedReader bufferedReader = new BufferedReader(new FileReader(newFile
                                                        (fileNa
        String line;
        while ((line =bufferedReader.readline())!=null) {
            lineCount++;
            if(line.Count.L=6) {
                continue;
            }
        String[] contentArray = line.split("\\st");
        if(contentArray length <2) {
            has Error = true;
            errorRemark = "Malformed data: Missing Marks in line"+
                            lineCount;
            break;
        }
        String markString = contentArray[1];
```

```
try {
    int marks = Integer.parseInt(marksString);
    if (marks < 0) {
            hasError = true;
            errorRemark = "Invalid data: Negative marks on line" + lineCount;
            break;
        }
    if (marks > 100){
            hasError = true;
            errorRemark = "Invalid data: Marks greater than 100 on line" +
                                lineCount;
            break;
        }
    Sum += marks;
    ValidMarksCount++;
}
Catch (NumberFormatExceptione) {
        hasError = true;
        errorRemark = "Invalid date: Non-numeric marks on line" + lineCount;
        break;
    }
}
if (hasError){
        System.out.println("Result: NA");
        System.out.println("Average: NA");
        System.out.println("Result-promoted: AVA");
        System.out.println("Remark:" + errorRemark);
    }
else{
  float average = (float).Sum/ValidMarksCount;
  System.out.println("Result:" + Sum);
  System.out.println("Average: " + String("%.2f",average));
if (Sum/{ValidMarksCount * 100.0) > 40.0) {
  System.out.println{"Result-promoted: Yes");
}
```

```
        else {
            System.out.println("Result - promoted : No");
        }
        System.out.println("Remark: All data Processed sucessfully.");
    }
}
catch (IOException e){
    System.out.println("Error reading file :" +e.getMessage());
    System.exit(0);
    }
    fr.close();
  }
}
```

Q. Weed.java.

```
import java.util.Scanner;
import java.io.File;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
Public class Weed {
    public static void main(String[] args){
        String value;
        Scanner sc = new Scanner(System.in);
        value = sc.nextLine();
try{
    File newFile = nao File("newFile.txt");
    FileWriter writefile = new FileWrite(new File);
  for(char ch: value.toCharArray()){
    if((Character.isLetter(ch))||(ch==" ")||(ch==',')||(ch=='.')){
      writeFile.write(ch);
    }
  }
  writeFile.close();
FileReader fileReader = new FileReader(newFile);
 int i;
while((i = fileReader.()) != -1) {
        System.out.print((Char)i); }
  fileReader.close();
}
Catch(IOExeption e) {
    System.out.println(e); }
 sc.close(); } }
```