oddpositionchar.java

```java
package techm;
import java.lang.*;
    public class oddpositionchar {
        public static void main(String[] args) {
            String input = "Hey there!";
            System.out.println("Input: " + input);
            System.out.print("Output: ");
            for (int i = 1; i < input.length(); i += 2) {
                System.out.print(input.charAt(i));}}
    }
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> oddpositionchar [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe

```
Input: Hey there!
Output: e hr!
```

perfectnum.java

```java
package techm;
import java.lang.*;
public class perfectnum {
        public static boolean isPerfectSquare(int number) {
            if (number < 0) {
                return false;
            }
            int sqrt = (int) Math.sqrt(number);
            return (sqrt * sqrt == number);
        }
        public static void main(String[] args) {
            int number = 9;
            if (isPerfectSquare(number)) {
                System.out.println("TRUE");
            } else {
                System.out.println("FALSE");}}
    }

```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> perfectnum [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe

```
TRUE
```

perfectnum.java | reversenum.java

```java
package techm;
import java.util.*;
public class reversenum {
        public static void main(String[] args) {
            int number = 12345;
            int reversedNumber = 0;

            while (number != 0) {
                int digit = number % 10;
                reversedNumber = reversedNumber * 10 + digit;
                number = number / 10;
            }
            System.out.println("Reversed Number: " + reversedNumber);}
    }
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> perfectnum [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (01-Jun-2024, 10:07:31 pm – 10:0

TRUE

*reversenum2.java

```java
package techm;
import java.lang.*;
public class reversenum2 {

        public static void main(String[] args) {
            int number = 12345;

            StringBuffer stringBuffer = new StringBuffer(String.valueOf(number))
            stringBuffer.reverse();

            int reversedNumber = Integer.parseInt(stringBuffer.toString());
            System.out.println("Reversed Number: " + reversedNumber);}
    }
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> reversenum2 [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (01-Jun-2024, 10:10:19 pm

```
Reversed Number: 54321
```

reversestring.java

```java
package techm;
import java.util.Scanner;
public class reversestring {


        public static void main(String[] args) {

            Scanner scanner = new Scanner(System.in);

            System.out.println("Enter a string:");
            String input = scanner.nextLine();
            String lowerCaseInput = input.toLowerCase();
            String reversedString = new StringBuilder(lowerCaseInput).reverse().toString();
            System.out.println(reversedString);
            scanner.close();}
    }

```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> reversestring [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (01-Jun-2024, 10:11:53 pm – 10:12:51 pm)

```
Enter a string:
WelCome
emoclew
```

```java
package techm;

public class smallestvowel {
	public static char smallestVowel(String s) {
		char smallest = Character.MAX_VALUE; // Initialize with the maximum possible character v
		String vowels = "aeiou"; // String containing all vowels

		for (char c : s.toCharArray()) {
			if (vowels.indexOf(c) != -1 && c < smallest) {
				smallest = c;
			}
		}

		return smallest == Character.MAX_VALUE ? '\0' : smallest; // Return '\0' if no vowel is
	}

	public static void main(String[] args) {
		String input = "matrix";
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> smallestvowel [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (01-Jun-2024, 10:14:12 pm – 10:14:14 pm) [pid: 131

```
a
```

spacesandchar.java

```java
package techm;

public class spacesandchar {
    public static void main(String[] args) {
        String input = "Hello This is ABCD from XYZ city";
        int spaceCount = 0;
        int charCount = 0;

        for (int i = 0; i < input.length(); i++) {
            char c = input.charAt(i);
            if (Character.isDigit(c)) {
                continue;
            } else if (c == ' ') {
                spaceCount++;
            } else {
                charCount++;
            }
        }
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> spacesandchar [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe

```
No of spaces : 6 and characters : 26
```

TravelAgencies.java

```java
package techm;

public class TravelAgencies {
	private int regNo;
	private String agencyName;
	private String packageType;
	private int price;
	private boolean flightFacility;
	public TravelAgencies(int regNo, String agencyName, String packageType, int price, boolean flightFac
	    this.regNo = regNo;
	    this.agencyName = agencyName;
	    this.packageType = packageType;
	    this.price = price;
	    this.flightFacility = flightFacility;
	}
	public int getRegNo() {
	    return regNo;
	}
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> TravelAgencies [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (01-Jun-2024, 10:16:44 pm – 10:16:46 pm) [pid: 18504]

```
50000
Cox and Kings:40000
```

UniqueCharacters.java

```java
package techm;

import java.util.Scanner;

public class UniqueCharacters {
        public static void main(String[] args) {
            Scanner scanner = new Scanner(System.in);
            System.out.println("Enter the string:");
            String input = scanner.nextLine().toLowerCase();
            scanner.close();

            String result = getUniqueCharacters(input);
            System.out.println(result);
        }

        private static String getUniqueCharacters(String input) {
            StringBuilder result = new StringBuilder();
            boolean[] seen = new boolean[26];
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> UniqueCharacters [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe

```
Enter the string:
xperience
xperinc
```

vowelsandconstants.java

```java
package techm;
import java.util.Scanner;
public class vowelsandconstants {
  public static void main(String[] args) {
            Scanner scanner = new Scanner(System.in);
            String input = scanner.nextLine();
            scanner.close();

            int vowelsCount = 0;
            int consonantsCount = 0;
            input = input.toLowerCase();

            for (int i = 0; i < input.length(); i++) {
                char ch = input.charAt(i);
                if (Character.isAlphabetic(ch)) {
                    if (isVowel(ch)) {
                        vowelsCount++;
                    } else {
```

Problems | Javadoc | Declaration | Console | Git Staging

<terminated> vowelsandconstants [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe

```
hello world
Vowels count - 3
Consonants count - 7
```