

Homework 3

Upload your source code file from *DEUZEM SAKAI* until **January 10, 2021, 23:55**.

Upload only a single *.cs file.

The name of the file: **number_name_surname.cs**

For example: 2019510028_ali_yildirim.cs



Write a C# program that finds and prints the rhyme type(s) of a given poem.

The program must also print the repeated part.

The poem must be read from the file "D:\\poem.txt".

poem.txt

```
Between the woods and frozen lake  
He gives his harness bells a shake  
To ask if there is some mistake  
Of easy wind and downy flake
```

Types of Rhymes (according to the characteristics of the repeating sounds)

- Additional Rhyme (Ek Redif)
- Word Rhyme (Sözcük Redifi)
- Phrase Rhyme (Sözcük Öbeği Redifi)

Types of Rhymes (by arrangement)

- Straight Rhyme (Düz Uyak)
- Alternating Rhyme (Çapraz Uyak)
- Winding Rhyme (Sarmal Uyak)
- Hoarse Rhyme (Örüşük Uyak)

<https://sites.google.com/site/edebiyolum/uyak-ve-redif>

1- Additional Rhymes (Ek Redif)

The lines must end with the same letter(s).

Example

```
string[] poem = {"Between the woods and frozen lake",  
                "He gives his harness bells a shake",  
                "To ask if there is some mistake",  
                "Of easy wind and downy flake"}
```

Output: Repetition: ake

Type: Additional Rhyme

2- Word Rhyme (Sözcük Redifi)

The lines must end with the same word.

```
string[] poem = {"Lifting her arms to soap hair",  
                "She wrings the water from her hair"}
```

Output: Repetition: hair

Type: Word Rhyme

3- Phrase Rhyme (Sözcük Öbeği Redifi)

The lines must end with the same words.

```
string[] poem = {"Kimsesiz hiç kimse yok, var herkesin bir kimsesi",  
                "Kimsesiz kaldım meded, ama var herkesin bir kimsesi"}
```

Output: Repetition: var herkesin bir kimsesi

Type: Phrase Rhyme

Rhyme schemes are described using letters of the alphabet, so that each line of verse that corresponds to a specific type of rhyme used in the poem is assigned a letter, beginning with "A."

Common rhyme schemes include:

- | | |
|-----------------------------------|------------------------------|
| - Straight Rhyme (Düz Uyak) | AAAA-BBBB, AAA-BBB, ... etc. |
| - Alternating Rhyme (Çapraz Uyak) | ABAB-CD CD, ... etc. |
| - Winding Rhyme (Sarmal Uyak) | ABBA-CDDC, ... etc. |
| - Hoarse Rhyme (Örüşük Uyak) | ABA-BCB-CDC-DED, ... etc. |

Alternating Rhyme Example:

```
string[] poem = {"When have I last looked on",  
    "The round green eyes and the long wavering bodies",  
    "Of the dark leopards of the moon",  
    "All the wild witches, those most noble ladies",  
    "The people along the sand",  
    "All turn and look one way",  
    "They turn their back on the land",  
    "They look at the sea all day"};
```

Output: Repetitions: A- on B- dies C- and D- ay
Type: Alternating Rhyme

Hoarse Rhyme Example:

```
string[] poem = {"Painting on Vellum: not on silk or hide",  
    "So many mediums with success, or knows",  
    "No painter of the present day has side",  
    "As well as I do how the subject grows",  
    "Beneath the hands of genius, that anoint",  
    "But I have something that he shows",  
    "Painting on Vellum is my weakest point",  
    "With balm. But I have something to disclose",  
    "Your large imperial Nose get out of joint"};
```

Output: Repetition: A- ide B- ows C- oint
Type: Hoarse Rhyme

Winding Rhyme Example:

```
string[] poem = {"Nereye baksam, yine akşam, yine akşam",  
    "Bir sırma kemerdir suya bakmak",  
    "Kime sorsam, yine akşam, yine akşam",  
    "Göllerde bu dem bir kemiş olmak"};
```

Output: Repetition: A- sam, yine akşam, yine akşam B- mak
Type: Winding Rhyme

If a poem has more than one type, the program must list all of them.

This homework will be graded by Res.Asst.Dr. Özge KART.

You can ask your questions to her from the “**FORUM → Homework 3 - Questions**” part of the *DEUZEM SAKAI* software.

Notes:

1. Your program must work correctly under all conditions. Try to control all possible errors.
2. You should use meaningful variable names, appropriate comments, and good prompting messages.
3. If you are late, your grade will be decreased 10 points for each day. After five days, your assignment will not be accepted.
4. Assignment must be your individual work.

Cheating is strictly prohibited.

If any cheating occurs, your assignment will be graded with **zero (0)**.

A software will be used to automatically detect the similarities between all the source-codes of all the students.