Create a program that displays a selection menu with the following options:

1. Text methods

2. Data from the file

3. The End

The program is to run in a loop until the end option is selected.

Ad.1 Create the following methods:

Ilespace - for a text (parameter) check how many spaces it contains.

Backwards - for text, return this text printed from end to beginning.

The user gives n texts (n - gives the user - handle exceptions). Each time write down how many word the text is and write down if the given text is a palindrome (from start to end and from end to beginning it is the same, e.g. level). Use the created methods.

**Exception handling**: invalid format, range exceeded. Own and system messages.

Additionally: Save (add) to the file text.txt the subtitles given by the user in the form of:

Text number…. this: …..

The above text consists of ... words

Ad.2 Read lines from the file named numbers.txt.

- checking if the number (parameter) is a power of 3 (i.e. the number of the form: 30 =1, 31 =3, 32 =9, 33 =27, ….). Note the numbers in the file are <= 100000 Using the method, print all numbers from the file which are powers of 3.