Aim:

Michael wants to reverse the order of lines in a text file. He needs a Java program that reads the content of the file and reverses the order of lines. Implement the program to assist Michael in achieving this. If the file does not exist print the error message saying "Error: Unable to read the file".

Input Format:

- The input consists of a single line containing the name of the input file.

Output Format:

- The program should print the contents of the file with the lines in reverse order.

Source Code:

q28286/ReverseFileContent.java

```java
package q28286;
import java.io.BufferedReader;
import java.io.FileReader;
import java.io.IOException;
import java.util.Scanner;
import java.util.ArrayList;

public class ReverseFileContent {

    // write your code here..
    public static void main(String[] args){
        Scanner scanner = new Scanner(System.in);
        String filename = scanner.nextLine();
        try(BufferedReader reader = new BufferedReader(new FileReader(filename))){
            ArrayList<String> lines = new ArrayList<>();
            String line;
            while((line = reader.readLine())!=null){
                lines.add(line);
            }
            for(int i = lines.size()-1; i>=0; i--){
                System.out.println(lines.get(i));
            }
        }catch(IOException e){
            System.out.println("Error: Unable to read the file");
        }finally{
            scanner.close();
        }
    }
}
```

file1.txt

```
This is the content of file 1.
It contains some text.
```

file2.txt

```
Hello
World
This
Is
A
Test
File
```

file3.txt

```
Programming
is
fun
and
challenging
at
the
same
time.
```

file4.txt

```
But
with
practice,
you
can
master
it
eventually.
Keep
coding
and
never
give
up!
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
file1.txt
It contains some text.
This is the content of file 1.

Test Case - 2
User Output

file2.txt
File
Test
A
Is
This
World
Hello

Test Case - 3
User Output
files.txt
Error: Unable to read the file