import java.io.IOException;

import java.util.logging.Level;

import java.util.logging.Formatter;

import java.util.logging.FileHandler;

import java.util.logging.Handler;

import java.util.logging.Logger;

import java.util.logging.SimpleFormatter;

import java.util.Scanner;

import java.util.logging.Filter;

import java.util.logging.LogRecord;

public class app implements Filter{

private static final Logger LOGGER = Logger.getLogger(app.class.getName());

public static void main(String[] args) throws SecurityException, IOException {

LOGGER.setLevel(Level.ALL);

LOGGER.info("Logger Name: "+LOGGER.getName());

Handler fileHandler = null;

Formatter simpleFormatter = null;

fileHandler = new FileHandler("./error.log");

simpleFormatter = new SimpleFormatter();

fileHandler.setFormatter(simpleFormatter);

LOGGER.setFilter(new app());

LOGGER.addHandler(fileHandler);

fileHandler.setLevel(Level.ALL);

Scanner in = new Scanner(System.in);

System.out.println(">>>>>>Welcome to online Office Portal<<<<<<<");

System.out.println("Enter Your Name :");

String name = in.nextLine();

System.out.println("Enter The reason for Bonafide From below");

String option[] = {"1.Education Loan","2.USA visa","3.Sports Loan"};

for(int i=0;i<option.length;i++)

{

System.out.println(">>>"+option[i]);

}

LOGGER.warning("Can cause ArrayIndexOutOfBoundsException");

System.out.print("Enter your Choice:");

int a = in.nextInt();

LOGGER.config("index is set to "+a);

try{

System.out.println(option[a]);

}catch(ArrayIndexOutOfBoundsException ex){

LOGGER.log(Level.SEVERE, "Exception occur String Array", ex);

}

}

@Override

public boolean isLoggable(LogRecord record) {

if(record == null)

return false;

String message = record.getMessage()==null?"":record.getMessage();

if(message.contains("Exception"))

return true;

return false;

}

}

**config.java**

import java.io.FileInputStream;

import java.io.IOException;

import java.util.logging.Level;

import java.util.logging.LogManager;

import java.util.logging.Logger;

public class config {

private static final LogManager logManager = LogManager.getLogManager();

private static final Logger LOGGER = Logger.getLogger("confLogger");

static{

try {

logManager.readConfiguration(new FileInputStream("./conf.properties"));

} catch (IOException exception) {

LOGGER.log(Level.SEVERE, "Error in loading configuration",exception);

}

}

public static void main(String[] args) {

LOGGER.fine("At End of the Day we are learning JAVA logging");

LOGGER.warning("JAVA program is running out of memory!");

}

}

**Conf.properties :**

handlers = java.util.logging.FileHandler

.level=ALL

java.util.logging.FileHandler.append = false

java.util.logging.FileHandler.pattern = log.%u.%g.txt

confLogger.level=ALL

**OUTPUT:**





