- Logui is that Alexible and Reliable logging framework.

- under apache software license.

- why ?

* open - source

* Save logs in file, console, database

* can be used for small and large projects.

+ Replacement of system out printing

& formatting the output | Errors | 109 of the application.

& Enable or disable some category of logs.

like error, warn, into, debug, tatal

- logy. Properties is a configuration file condoins key-value Paiss - Components & logui

(1) loggers: logging informations

2 Appenders: Appending logs on file or dis or conside

(3) layout: Responsible for formating logging information in different forms.

- Levels of loggels: Defines Priority of log

(1) All: logges all the Process of execution.

2) DEBUG: used to frive information about debugging

Into: information about Progress of application process

WARN; find about faulty and unexpected behavious.

- (5) EFFOR: Print Errors meglages with all to continue System Prention.
- (auxing application to crash.
- @ OFF: No logging.

Appendles:

The appender basically grabs in from the logger and writes to the file or any other storage location.

Appenders in logur

- 1) File Appender: -> This will append the log to a file
- Polling File Appender: it will perform the same function as File Appender, But Users will be able to sperify the maximum size of file. once the limit is exceeded, the appender will create another file to write message.
- Daily Rolling File Appender: Specify the frequency by which the message are to be written to the file.

 (daily ragis storage).
- Console Appenders: > Simply writes log m console.

distring not logger

log = luser | home | logy;

logy; material = DEBUG, FILE

of Creating logger for class Step 1 : logger log = Logger get logger (classname.class), Step 2 : proposty configurator. configure ("Loguj. Propostics"). & Level warter & All < doing < Info< warn < Ever 2 fatel < off En: root logger tran tuloing albug mode off loguj. root codegozy = warn, file, console such of for my property tile piperalles : I The be whenest my lie is in the supresself stilling messes * layout - I Mo The layout is where the footrad in which I by m \$ 12:5 consignation will appear is decided. theeded, the afterdes will (1) Parties layout: Based on the Pattern Provided the logs will displayed. ed.
it takes default conversion pattern, it not The world of off for for for specified. HTML layout: in the form of HTML Table. (3) Ame layout: in the form of And format.

LAREN LINE WAR

Pattler layout 1. c in pattern layout fully audited name of logger issuing class ·1. C { 2} Same class name y. c {1} of output data of logging 1/0 output line number 1/L owned application suppied megaze. Output platform dependent line seprator char mediad name if any 1/ M 1.7) Priority of logging object throad name generated logging event. 1.P 1.t) Sample logus. Propeles file refle the file Privided in class som

#set level

log4j.rootCategory=debug,console,file

#appender which write on console

log4j.appender.console=org.apache.log4j.ConsoleAppender

log 4j. appender. console. layout = org. apache. log 4j. Pattern Layout

log4j.appender.console.layout.ConversionPattern=%d{MM-dd-yyyy HH:mm:ss} %p [%t] %c{2} %L - %m%n

#appender writes to file

log 4j. appender. file=org. apache. log 4j. Rolling File Appender

 $log 4 j. appender. file. File=D: \label{log4} applogs. log 4 j. applogs. log 4 j. applogs. log 6 j. applogs. log 6$

#defining max size and format in file

log4j.appender.file.MaxFileSize=10MB

log4j.appender.file.MaxBackupIndex=10

log4j.appender.file.layout=org.apache.log4j.PatternLayout

log4j.appender.file.layout.ConversionPattern=%d{ISO8601} %p [%t] %c{1}:%L -%m%n

log4j.appender.file.Append=true