composer create-project symfony/skeleton sym434   **// framework bundle**

cd sym434

git init

//loop
git status
git add --all

cd ~/testSym43/sym434
php -S 127.0.0.1:8000 -t public

http://localhost:8000/ //=> Welcome to Symfony 4.3.3

composer require annotations   // sensio_framework_extra bundle

composer require twig // template

composer require symfony/asset   // link to js, images

composer require doctrine/orm   // bibliothek

composer require doctrine/doctrine-bundle // bundle

composer require symfony/validator

//sudo nano .env
DATABASE_URL=mysql://root:vuanh123@127.0.0.1:3306/sym43

// bin/console doctrine:database:create
bin/console doctrine:schema:create

composer require --dev doctrine/doctrine-fixtures-bundle // make fixtures => set init-data in table

rm -rf var/cache   // => reset routes...

// security
composer require symfony/security-bundle

php bin/console make:user

//created: src/Entity/User.php
//created: src/Repository/UserRepository.php
//updated: config/packages/security.yaml

// http://localhost:8000/list   // => http://localhost:8000/login
// http://localhost:8000/logout // => http://localhost:8000/table

//mail
//In Symfony 4.3, the *Mailer* component was introduced and can be used instead of Swift Mailer.
//composer require symfony/mailer

composer require symfony/swiftmailer-bundle

// sudo nano .env
###> symfony/swiftmailer-bundle ###
For Gmail as a transport, use: "gmail://username:password@localhost"
For a generic SMTP server, use: "smtp://localhost:25?encryption=&auth_mode="
Delivery is disabled by default via "null://localhost"
#MAILER_URL=null://localhost
MAILER_URL=gmail://hong66.lenguyen@gmail.com:hong____1234@gmail.com
###< symfony/swiftmailer-bundle ###

//form
composer require symfony/form

// http://localhost:8000/contact   => send mail über gmail an vuanhde@yahoo.de

// config/services.yaml---------------------------
 # exception händler
App\EventListener\ExceptionListener:
    tags:
        - { name: kernel.event_listener, event: kernel.exception }

https://symfony.com/doc/current/doctrine/pdo_session_storage.html
#session in db stored
Symfony\Component\HttpFoundation\Session\Storage\Handler\PdoSessionHandler:
    arguments:
        - 'mysql:dbname=sym42; host=localhost; port=3306'
        - { db_table: 'sessions', db_username: root, db_password: vuanh123 }

config/packages/framework.yaml--------------------------
framework:
    session:
        # ...
        handler_id: Symfony\Component\HttpFoundation\Session\Storage\Handler\PdoSessionHandler

CREATE TABLE `sessions` (

    `sess_id` VARCHAR(128) NOT NULL PRIMARY KEY,
    `sess_data` BLOB NOT NULL,
    `sess_time` INTEGER UNSIGNED NOT NULL,
    `sess_lifetime` MEDIUMINT NOT NULL
) COLLATE utf8mb4_bin, ENGINE = InnoDB;

// test session setting
// http://localhost:8000/session

// test session getting
// http://localhost:8000/session2

// mySQL

mysql -u root -p
//pw vuanh123
mysql> use sym43;
//Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SELECT * FROM `sessions`;
// select sess_id from `sessions`;
mysql> SELECT * FROM `user`;

// tools
composer require symfony/maker-bundle --dev   // maker bundle

./bin/console make:controller DefaultController

composer require profiler // tool bundle

composer require server –dev // web server

 cd ~/testSym43/sym433

// apache
sudo service apache2 stop
sudo service apache2 start

// jenkins
sudo systemctl stop jenkins.service
sudo systemctl start jenkins.service