

[Notice-board](#) > [Courses](#) > [460-2062/01 \(2021/2022 SS\)](#) > [Credit test](#) > [Theoretical credit test - 8:15 am](#)

Starting the test	Tuesday, 17 May 2022, 08.15
State	Completed
Completion of the test	Tuesday, 17 May 2022, 08.21
Trial length	6 minutes 26 seconds
Stamp	26.00 out of a possible 26.00 (100%)

Role1

Done Points 2.00 / 2.00

Which class is used to generate symmetric keys:

Choose one of the following options:

- ☐ a. KeyAgreement
- ☐ b. CipherGenerator
- ☐ c. SymmetricCipherGenerator
- ☒ d. KeyGenerator
- ☐ e. SymmetricKeyGenerator

Your answer is correct.

Role2

Done Points 2.00 / 2.00

Choose a data type that allows for asynchronous processing, chaining of operations, and premature termination codes.

Choose one of the following options:

- ☐ a. AsynchronousChainedService
- ☐ b. Futures
- ☐ c. ExecutorService
- ☒ d. CompletableFuture
- ☐ e. Thread

Your answer is correct.

Role3

Done Points 2.00 / 2.00

Select all true statements about how to limit the modifiability of objects.

Select one or more options:

- ☐ a. Make all items private xxxxxx
- ☐ b. Don't provide methods that allow you to get state.
- ☐ c. Make all items final xxxxx
- ☐ d. Ensure that classes cannot be extended. xxxx
- ☐ e. Do not provide methods that allow the state to be modified. xxxxx

Your answer is correct.

Role4

Done Points 2.00 / 2.00

The class attribute to be used as the entity's primary key is annotated with:

Choose one of the following options:

- xx ☒ a. @Id
- ☐ b. @Column
- ☐ c. @PrimaryKey
- ☐ d. @Entity
- ☐ e. @Key

Your answer is correct.

Role5

Done Points 2.00 / 2.00

A method to provide resource modification *exam* through the REST API it will have annotations

Choose one of the following options:

- ☐ a. `@Path("exams")`
`) @Post`
- ☐ b. `@Path("exams")`
`) @Edit`
- ☐ c. `@Path("exams")`
`@Update`
- ☐ d.
`@Path("exam") @Update`
- ☐ xxx E. `@Path("exams")`
`@Put`
- ☐ f.
`@Path("exam") @Post`
- ☐ g. `@Path("exam")`
`@Put`
- ☐ h.
`@Path("exam") @Edit`

Your answer is correct.

Role6

Done Points 2.00 / 2.00

Which algorithm is used for asymmetric encryption but not for symmetric.

Choose one of the following options:

☐ a. AsymCipherAlg

☐ b. DH

xxx☒ c. RSA

☐ d. AES

☐ e. SHA256

Your answer is correct.

Role7

Done Points 2.00 / 2.00

Select the wrong method declaration in the given functional interface.

Choose one of the following options:

☐ a. `Function<T,R> R apply(T t)`

☐ b. `Consumer<T>void accept(T t)`

☐ c. `Predicate<T>boolean test(T t)`

xxx☒ d. `UnaryOperator<T>.. R apply(T t)`

☐ e. `Supplier<T> T get()`

Your answer is correct.

Role8

Done Points 2.00 / 2.00

Compile and create a jar of the application with the help of maven:

Choose one of the following options:

- ☐ a. mvn compile store
- ☐ b. mvn compile jar
- ☐ c. mvn spring
- ☐ d. mvn compress
- xxx ☒ e. mvn package

Your answer is correct.

Role9

Done Points 2.00 / 2.00

If you implement an interface *Serializable* so for modified serialization you need to implement a method that has the signature:

Choose one of the following options:

- xxx ☒ a. protected void writeObject(ObjectOutputStream out) throws IOException
- ☐ b. private void writeObject(ObjectOutputStream out) throws IOException
- ☐ c. protected void writeExternal(ObjectOutput out) throws IOException;
- ☐ d. public void writeObject(ObjectOutputStream out) throws IOException
- ☐ e. private void writeExternal(ObjectOutput out) throws IOException;
- ☐ f. public void writeExternal(ObjectOutput out) throws IOException;

Your answer is correct.

Role10

Done Points 2.00 / 2.00

Select the true statement about the ByteBuffer class

Choose one of the following options:xxxxxxx

- ☐ a. xxxx When switching from *read* mode to *write* mode with indicator *position* moves to the beginning and the pointer *limit* to the original pointer position *position*.
- ☐ b. After the pointer is created *limit* points to the beginning.
- ☐ c. After creation, it is in mode *read*.
- ☐ d. An instance is created using *new ByteBuffer(int capacity)*
- ☐ e. After creation, it is in mode *write*.

Your answer is correct.

Role11

Done Points 2.00 / 2.00

What is the range of the BigInteger type

Choose one of the following options:

- ☐ a. 128 bits
- ☐ b. 32 bits
- xxx ☒ c. Theoretically unlimited and can hold any integer.
- ☐ d. Theoretically unlimited and can hold any real number.
- ☐ e. 64 bits

Your answer is correct.

Role12

Done Points 2.00 / 2.00

For which programming language GraalVM does not provide official support yet

Choose one of the following options:

☐ a. JavaScript

xxx☒ b. C#

☐ c. Python

☐ d. C

☐ e. Java

Your answer is correct.

Role13

Done Points 2.00 / 2.00

If you want to use classes from the cz.java2.utils package, which is in the cz.java2 module, you must specify in module-info.java:

Choose one of the following options:

☐ a. depends cz.java2

xxx☒ b. requires cz.java2

☐ c. requires cz.java2.utils

☐ d. depends cz.java2.utils

☐ e. imports cz.java2.utils

Your answer is correct.

