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[Notice-](https://lms.vsb.cz/my/)board [>](https://lms.vsb.cz/course/index.php)Courses [>460-2062/01 (2021/2022](https://lms.vsb.cz/course/view.php?id=96890) SS) >Credit test>Theoretica[l credit test - 8:15 am](https://lms.vsb.cz/mod/quiz/view.php?id=863025)

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| **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**%) |

# Role**1**

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

x d. KeyGenerator

 e. SymmetricKeyGenerator

Your answer is correct.

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

x d. CompletableFuture  e.Thread

Your answer is correct.

# Role**3**

Done Points 2.00 / 2.00

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

*Select one or more options:*

1. Make all items private xxxxxx
2. Don't provide methods that allow you to get state.
3. Make all items final xxxxx
4. Ensure that classes cannot be extended. xxxx
5. Do not provide methods that allow the state to be modified. xxxxx

Your answer is correct.

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.

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

*Choose one of the following options:*

1. @Path("exams") @Post
2. @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.

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.

# Role**7**

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.

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.

# Role**9**

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.

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.

Role**11**

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.

 a. JavaScript

xxx Bc#

 c. Python

 d. C

 e. Java

Your answer is correct.

Role**13**

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.