

1.

What is an ORM?

☐

Object Role Modeling

☐

Object Rational Model

☐

Object Relational Mapping

☐

Operational Risk Management

2.

Choose the statement that best describes the relationship between JSP and servlets:

☐

Servlets are built on JSP semantics and all servlets are compiled to JSP pages for runtime usage.

☐

JSP and servlets are unrelated technologies.

☐

Servlets and JSP are competing technologies for handling web requests. Servlets are being superseded by JSP, which is preferred. The two technologies are not useful in combination.

☐

JSPs are built on servlet semantics and all JSPs are compiled to servlets for runtime usage.

3.

What is the role of Servlet when compared to JSP?

☐

Servlets are used for authentication purpose whereas JSPs are used for authorization

☐

Servlets are used for accessing a Database whereas JSPs are used for accessing mainframes

☐

Servlets are used for playing the role of Controllers whereas JSPs are used for playing the role of Views in MVC architecture

☐

None of the options

4.

_____ is used to generate HTML dynamically and send it to the client

☐

CSS

☐

Servlet/JSP

☐

JVM

☐

Collection API

5.

Why use RequestDispatcher to forward a request to another resource, instead of using a sendRedirect?

☐

Redirects are no longer supported in the current servlet API.

☐

Redirects are not a cross-platform portable mechanism.

☐

The RequestDispatcher does not use the reflection API.

☐

The RequestDispatcher does not require a round trip to the client, and thus is more efficient and allows the server to maintain request state.

6.

Can we configure multiple Servlets in web.xml file?

☐

Yes

☐

No

7.

Which object would you use to share user specific information between Servlet/JSPs ?

☐

request

☐

response

☐

session

☐

application

8.

Which interface of the Servlet API defines methods to extract form parameters from the HTTP request?

☐

HttpServletRequest

☐

ServletConfig

☐

ServletContext

☐

HttpServletResponse

9.

Which JEE API standard is hibernate API compliant with?

☐

JDO

☐

JPA

☐

WebServices

☐

JTA

10.

What is the initial contact point for handling a web request in MVC architecture?

☐

A JSP page.

☐

A JavaBean.

☐

A servlet.

☐

A session manager.

11.

When a JSP is executed, of the following, what is most likely to be sent to the client ?

☐

The source JSP file

☐

HTML

☐

The source Servlet file

☐

The compiled Servlet file

12.

The lifecycle of Servlet consists of _____ methods

☐

init, service and destroy

☐

init and destroy

☐

init and service

☐

service and destroy

13.

_____ are chunks of information created by the server and are stored on the client machine

☐

Rewriting



Hidden Form Fields



Cookies



Session

14.

What is the extension of the file packed for deploying a web application on the Server?



.jar



.ear



.war



.zip

15.

Which of the following is NOT a standard method called as part of the JSP life cycle?



jspInit()



jspService(...)



_jspService(...)



jspDestroy()

16.

_____ is used to add Java code in a JSP



JavaScript



CSS



HTML



Scriptlet

17.

Consider the following code:

```
public class LoginServlet extends HttpServlet {
```

```
    public void doGet(HttpServletRequest request, HttpServletResponse response)  
    throws ServletException, IOException {
```

```
//CODE HERE TO READ THE USERNAME AND PASSWORD
```

```
...
```

```
}
```

```
}
```

What will happen if the user submits the username and password using POST method to the above Servlet?

☐

405 Method Not Allowed error will occur

☐

The code will execute successfully

☐

Servlet's don't provide support for POST method

☐

Tomcat will redirect to any other servlet which can handle POST method instead of this one

18.

In MVC architecture, who is responsible for fetching the Data from Database?

☐

Controller

☐

View

☐

Model

19.

Consider the following code written in JSP:

```
<%
```

```
String str = "Hello";
```

```
%>
```

```
<h1>_____</h1>
```

What will you use in between the h1 tag above to display the value of str variable?

☐

Declaration

☐

Scriptlet

- ☐ Directive
- ☐ Expression

20.

In case of Servlets, which of the following statement is true?

- ☐ Local variables are considered thread-safe.
- ☐ Class variables are considered thread-safe.
- ☐ Instance variables are considered thread-safe.
- ☐ Global variables are considered thread-safe.

✓ Who invented Java Programming?

1/1

- ☐ Guido van Rossum
- ☒ James Gosling
- ☐ Dennis Ritchie
- ☐ Bjarne Stroustrup



✓ Which one of the following is not a Java feature?

1/1

- ☐ Object-oriented
- ☒ Use of pointers
- ☐ Portable
- ☐ Dynamic and Extensible



✓ Which environment variable is used to set the java path?

1/1

- ☐ MAVEN_Path
- ☐ JavaPATH
- ☐ JAVA
- ☒ JAVA_HOME



✓ Which of the following is not an OOPS concept in Java?

1/1

- ☐ Polymorphism
- ☐ Inheritance
- ☒ Compilation
- ☐ Encapsulation



✓ What is the extension of compiled java classes?

1/1

- ☐ .txt
- ☐ .js
- ☒ .class
- ☐ .java



✓ When is the object created with a new keyword?

1/1

- ☒ at runtime
- ☐ at compile time
- ☐ depend upon the code
- ☐ none



✓ Which of the following is not an OOPS concept?

1/1

- ☐ Encapsulation
- ☐ Polymorphism
- ☒ Exception
- ☐ d) Abstraction



✓ Which feature of OOPS described the reusability of code?

1/1

- ☐ Abstraction
- ☐ Encapsulation
- ☐ Polymorphism
- ☒ Inheritance



✓ Which among the following feature is not in the general definition of OOPS? 1/1

- ☐ Modularity
- ☐ Efficient Code
- ☐ Code reusability
- ☒ Duplicate or Redundant Data



✓ Which feature of OOPS derives the class from another class?

1/1

- ☒ Inheritance
- ☐ Data hiding
- ☐ Encapsulation
- ☐ Polymorphism



✓ A single program of OOPS contains _____ classes?

1/1

- ☐ Only 1
- ☐ Only 999
- ☐ Only 100
- ☒ Any number



✓ Which two features of object-oriented programming are the same?

1/1

- ☐ Abstraction and Polymorphism features are the same
- ☐ Inheritance and Encapsulation features are the same
- ☐ Encapsulation and Polymorphism features are the same
- ☒ Encapsulation and Abstraction



✓ Which of the following definition is incorrect for polymorphism?

1/1

- ☐ Polymorphism helps in redefining the same functionality
- ☐ Polymorphism concept is the feature of object-oriented programming (OOP)
- ☒ It always increases the overhead of function definition
- ☐ Ease in the readability of the program



✓ Which of the following OOP concept binds the code and data together and keeps them secure from the outside world? 1/1

- ☐ Polymorphism
- ☐ Inheritance
- ☐ Abstraction
- ☒ Encapsulation



✓ What is the size of a class? 1/1

- ☐ Sum of the size of all inherited variables along with the variables of the same class
- ☐ The size of the class is the largest size of the variable of the same class
- ☒ Classes in the programming languages do not have any size
- ☐ Sum of the size of all the variables within a class.



✗ What is the name of the thread in the following Java Program? *

.../1

```
class Program {  
    public static void main(String args[]) {  
        Thread t = Thread.currentThread();  
        System.out.println(t);  
    }  
}
```

- ☒ main
- ☐ Thread
- ☐ System
- ☐ None of the mentioned

✗

No correct answers

✓ Which of the following operators is used to generate instance of an exception which can be thrown using throw?

*1/1

- ☐ thrown
- ☐ alloc
- ☐ malloc
- ☒ new

✓



✓ Which of these method of Thread class is used to Suspend a thread for a period of time? *1/1

☒ sleep()



☐ terminate()

☐ suspend()

☐ stop()

✓ Which of these methods can be used to obtain a static array from an ArrayList object? *1/1

☐ Array()

☐ covertArray()

☒ toArray()



☐ covertToArray()

✓ Which component is responsible for converting bytecode into machine specific code? *1/1

☒ JVM



☐ JDK

☐ JIT

☐ JRE



This content is neither created nor endorsed by Google. - [Terms of Service](#) - [Privacy Policy](#)

MCQ

10 of 15 points

TRUNCATE TABLE statement *

0/1

- ☐ Drops a table temporarily
- ☐ Removes all rows of a table
- ☐ Removes specified number of rows from a table
- ☒ Removes all constraints from a table



Which data type in MySQL is used to store binary data? *

1/1

- ☐ CHAR
- ☐ VARCHAR
- ☐ TEXT
- ☒ BLOB

Which of the following terms does refer to the correctness and completeness of the data in a database? *

1/1

- ☐ Data security
- ☐ Data constraint
- ☐ Data independence
- ☒ Data integrity



Select the correct statement.

*0/1

- A) With the DDL commands, any structural changes can be made to the table, including creation, deletion, and alteration.
- B) With the DML commands, any structural changes can be made to the table, including creation, deletion, and alteration.
- C) With the DCL commands, any structural changes can be made to the table, including creation, deletion, and alteration.
- D) With the TCL commands, any structural changes can be made to the table, including creation, deletion, and alteration.

- ☐ Only A
- ☒ A and B
- ☐ Only D
- ☐ A and C

In the relational table, which of the following can also be represented by the term "attribute"? *1/1

- ☐ Entity
- ☐ Row
- ☒ Column
- ☐ Both B & C



What is the purpose of the WHERE clause in SQL? *

0/1

- ☒ To select specific columns from a table
- ☐ To join multiple tables
- ☐ To filter data based on a condition
- ☐ To sort data in ascending or descending order

A relational database developer refers to a record as? *

1/1

- ☐ Relation
- ☒ Tuple
- ☐ Data
- ☐ None of the above

Which data type is used to store images in tables *

1/1

- ☐ TEXT
- ☒ BLOB
- ☐ ENUM
- ☐ Varchar



Which type of command is used to create a new table in SQL? *

0/1

- ☐ DDL
- ☐ DML
- ☐ DCL
- ☒ None of the above

When you create a variable in MySQL that has not been initialized , it stores a_____ value

1/1

- ☐ 0
- ☐ Blank
- ☒ Null
- ☐ Garbage

What is DBMS? *

0/1

- ☐ Collection of many programs to access data
- ☐ Collection of interrelated data
- ☐ Collection of commands
- ☒ All



Which of the following is the correct order of keywords for SQL statements? * 1/1

- ☒ SELECT, FROM, WHERE
- ☐ FROM, WHERE, SELECT
- ☐ WHERE, FROM, SELECT
- ☐ SELECT, WHERE, FROM

Which of the following is/are the DDL statements? 1/1

- ☐ Create
- ☐ Drop
- ☐ Alter
- ☒ All of the Mentioned

Which data type in MySQL is used to store strings of variable length? * 1/1

- ☐ CHAR
- ☒ VARCHAR
- ☐ TEXT
- ☐ BLOB



What SQL clause is used **to restrict the rows** returned by a query? *

1/1

- ☐ AND
- ☒ Where
- ☐ Group
- ☐ Form

This content is neither created nor endorsed by Google. - [Terms of Service](#) - [Privacy Policy](#)

Google Forms



Questions

17 of 20 points

✓ When a .NET class is ____, it's constructor ____.*

1/1

- ☐ A) Created, defined
- ☐ B) Declared, instantiated
- ☒ C) Instantiated, executes
- ☐ D) None of the above



✗ C# does not support ___ constructors. *

0/1

- ☐ A) Parameterized
- ☐ B) Parameter-less
- ☐ C) Class
- ☒ D) Method

✗

Correct answer

- ☒ B) Parameter-less

✓ Which type of project template is suitable for creating reusable code libraries in .NET Core?

*1/1

- ☐ A) Console Application
- ☐ B) Windows Forms Application
- ☒ C) Class Library
- ☐ D) .NET Web Application

✓

✓ Which keyword is used to define a read-only property in C#? *

1/1

- ☒ A) get
- ☐ B) set
- ☐ C) readonly
- ☐ D) const

✓



✗ The reason that C# does not support multiple inheritances is because of ^{*}0/1
—.

- ☒ A) Method collision
- ☐ B) Name collision
- ☐ C) Function collision
- ☐ D) Interface collision

✗

Correct answer

- ☒ B) Name collision

✓ In C#, which version introduced the concept of default interface methods?

^{*}1/1

- ☐ A) C# 5.0
- ☐ B) C# 6.0
- ☐ C) C# 7.0
- ☒ D) C# 8.0

✓

✓ In C#, which keyword is used to define a destructor? ^{*}

1/1

- ☐ A) finalize
- ☐ B) dispose
- ☐ C) destructor
- ☒ D) ~classname

✓



✓ What is the purpose of the params keyword in C#? *

1/1

- ☒ A) It allows you to pass an arbitrary number of arguments to a method. ✓
- ☐ B) It restricts the number of arguments that can be passed to a method.
- ☐ C) It specifies that a parameter is optional.
- ☐ D) It enables named parameter passing.

✓ The C# provides special methods known as ___ methods to provide access to data members.

*1/1

- ☐ A) Loop
- ☐ B) Functions
- ☐ C) Methods
- ☒ D) Accessor ✓

✓ Which of the following is NOT a component of the .NET Framework? *

1/1

- ☐ A) Common Language Runtime (CLR)
- ☐ B) Common Type System (CTS)
- ☐ C) Common Language Specification (CLS)
- ☒ D) Common Assembly Language (CAL) ✓



✓ In C#, can an abstract class be instantiated directly? *

1/1

- ☐ A) Yes, using the new keyword
- ☐ B) Yes, using the abstract keyword
- ☒ C) No, abstract classes can only be used as base classes for other classes ✓
- ☐ D) No, abstract classes are automatically instantiated by the runtime

✓ Arrays in C# are ___ objects *

1/1

- ☒ A) Reference ✓
- ☐ B) Logical
- ☐ C) Value
- ☐ D) Arithmetic

✓ Which of the following statements regarding local functions in C# is correct?

*1/1

- ☒ A) Local functions can only be called from within the method in which they are defined. ✓
- ☐ B) Local functions can only have void return type.
- ☐ C) Local functions cannot access variables from the outer method.
- ☐ D) Local functions must be defined at the beginning of the method.



✗ In C#, what is the primary difference between a read-only field and a read-only property? *0/1

- ☒ A) Read-only properties can be accessed from any class, while read-only fields cannot. ✗
- ☐ B) Read-only properties can have custom logic, while read-only fields cannot.
- ☐ C) Read-only fields can be modified in a constructor, while read-only properties cannot.
- ☐ D) Read-only properties have a get accessor, while read-only fields do not have any accessor.

Correct answer

- ☒ B) Read-only properties can have custom logic, while read-only fields cannot.

✓ Which file format is used for executable files in .NET? *

1/1

- ☒ A) .exe
- ☐ B) .dll
- ☐ C) .lib
- ☐ D) .xml



✓ In C#, what does the sealed keyword indicate when applied to a class? * 1/1

- ☐ A) The class cannot be instantiated.
- ☒ B) The class cannot inherit from other classes. ✓
- ☐ C) The class cannot have any member variables.
- ☐ D) The class cannot be accessed from outside the assembly.

✓ In a class hierarchy, which constructor is automatically called in the derived class before executing the code of the derived class constructor? *1/1

- ☒ A) Base class constructor ✓
- ☐ B) Derived class constructor
- ☐ C) Static constructor
- ☐ D) Destructor

✓ What is the purpose of an application domain in .NET? * 1/1

- ☐ A) To manage different versions of the .NET Framework
- ☒ B) To provide isolation and security boundaries for executing .NET applications ✓
- ☐ C) To manage the garbage collection process
- ☐ D) To define the application's entry point and startup code



✓ Which access specifier combination in C# allows a member to be accessible only within the same assembly and by derived classes?

*1/1

- ☐ A) internal private
- ☐ B) internal protected
- ☐ C) protected internal
- ☒ D) private protected



✓ In C#, which feature allows you to specify arguments by their parameter names when calling a method?

*1/1

- ☐ A) Optional parameters
- ☒ B) Named parameters
- ☐ C) Positional parameters
- ☐ D) Default parameters



This content is neither created nor endorsed by Google. - [Terms of Service](#) - [Privacy Policy](#).

Google Forms

