Course outline

Assignment 10

The due date for submitting this assignment has passed.

Due on 2020-11-25, 23:59 IST.

Assignment submitted on 2020-11-25, 21:27 IST

1) **Which of the following statement(s) is/are NOT true?**   *1 point*

   a. URL is the acronym for Uniform Resource Locator.

   b. A URL takes the form of a string that describes how to find a resource on the Internet.

   c. URLs have two main components: the protocol needed to access the resource and the location of the resource.

   d. The URL class is present in the java.io package.

○ a.

○ b.

○ c.

◉ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
d.

2) Consider the following program:

```java
import java.net.*;
import java.io.*;

public class Question {
    public static void main(String[] args) throws Exception {

        URL aURL = new URL("http://nptel.com:80/docs/java/tutorial"
                                +index.html?name=networking#connection");

        System.out.println("authority = " + aURL.getAuthority());
        System.out.println("host = " + aURL.getHost());

    }
}
```

Which of the following is/are valid output(s) from the above program?

   a. authority = nptel.com:80
   b. host = nptel.com
   c. authority = nptel.com
   d. host = nptel.com:80

☑ a.

☑ b.

☐ c.

☐ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.
b.

Consider the following program:

```java
import java.net.*;
import java.io.*;

public class Question {
    public static void main(String[] args) throws Exception {

        URL aURL = new URL("http://nptel.com:80/docs/java/tutorial"
                            +index.html?name=networking#connection");

            System.out.println("query = " + aURL.getQuery());
            System.out.println("ref = " + aURL.getRef());
        }
    }
}
```

Which of the following is/are valid output(s) from the above program?

    a. query = name=networking
    b. query = name=networking#connection
    c. ref=connection
    d. ref=/docs/java/tutorial/index.html?name=networking

- [ ] a.
- [x] b.
- [x] c.
- [ ] d.

No, the answer is incorrect.
Score: 0
Accepted Answers:
a.

c.

Which of the following statement(s) is(are) NOT true?

    a. TCP is a reliable but slow.
    b. UDP is not reliable but fast.
    c. File Transfer Protocol (FTP) is a standard Internet protocol for transmitting files between computers on the Internet over TCP/IP connections.
    d. In HTTP, all communication between two computers are encrypted.

○ a.

○ b.

○ c.

◉ d.

5) **In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server?**

1 point

   a. The ServerSocket class
   b. The Socket class
   c. The InetAddress class
   d. The Connection interface

○ a.

○ b.

◉ c.

○ d.

6) **Which of these is a protocol for breaking and sending packets to an address across a network?**

1 point

   a. TCP/IP
   b. DNS
   c. Socket
   d. Proxy Server

◉ a.

○ b.

○ c.

○ d.

a.

7) **In the following URL, identify the protocol identifier?**   *1 point*

a. https

b. nptel.ac.in

c. //nptel.ac.in:80/course.php

d. 8080

- ⦿ a.
- ○ b.
- ○ c.
- ○ d.

Yes, the answer is correct.
Score: 1

Accepted Answers:
a.

8) **Which of the following statement(s) is/are true?**   *1 point*

a. isLoopback(): it indicates if the network interface is a loopback interface.

b. isPointToPoint(): it indicates if the interface is a point-to-point interface.

c. isVirtual(): it indicates if the interface is a virtual interface.

d. isUP() : it indicates the interface is running.

- ☑ a.
- ☑ b.
- ☑ c.
- ☐ d.

Partially Correct.
Score: 0.75

Accepted Answers:
a.
b.
c.
d.

9) **Once a JDBC driver has been registered, which of the following method is used to make a database connection?**

    a. getConnection(String url, String userID, String password)
    b. setConnection(String url, String userID, String password)
    c. Connect(String url, String userID, String password)
    d. Any one of the above.

  ◉ a.
  ○ b.
  ○ c.
  ○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.

10) **Which of the following best describes about JDBC?**

    a. JDBC works like a bridge connecting a Java application to a RDBMS, execute SQL commands and return results to the application.
    b. JDBC is a software component, which is both network and database independent.
    c. JDBC should be installed in the same machine from where the Java application will run.
    d. JDBC should be installed in the same server that of the database.

  ◉ a.
  ○ b.
  ○ c.
  ○ d.

Yes, the answer is correct.
Score: 1
Accepted Answers:
a.