



98-388^{Q&As}

Introduction to Programming Using Java

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**QUESTION 1****HOTSPOT**

You are developing a Java program to play Tic-Tac-Toe. You define the following array to store the state of the board: Use the drop-down menus to select the answer choice that answers each question based on the information presented in the code. NOTE: Each correct selection is worth one point.

```
char[][] grid = {  
    {'-', '-', 'X'},  
    {'-', '-', '-'},  
    {'-', 'O', '-'}  
};
```

Hot Area:

Answer Area

Which array element contains an "x"?

	▼
grid[0][2]	
grid[1][3]	
grid[2][0]	
grid[3][1]	

Which array element contains an "o"?

	▼
grid[1][2]	
grid[2][1]	
grid[2][3]	
grid[3][2]	

Correct Answer:



Answer Area

Which array element contains an "x"?

	▼
grid[0][2]	
grid[1][3]	
grid[2][0]	
grid[3][1]	

Which array element contains an "o"?

	▼
grid[1][2]	
grid[2][1]	
grid[2][3]	
grid[3][2]	

QUESTION 2

DRAG DROP

You are writing a Java program that collects patient information and stores it in a database.

You need to ensure that the program stores data using the least amount of memory.

Which data type should you use to complete each variable declaration? To answer, drag the appropriate data type from the column on the left to its code segment on the right. Each data may be used once, more than once, or not at all. You

may need to drag the split bar between panes or scroll to view content.

Select and Place:

Data Types

boolean	byte	char	float	short
---------	------	------	-------	-------

Answer Area

	birthYear = 1974;
	exempt = false;
	initial = 'D';
	salary = 22123.5f;

Correct Answer:



Data Types

byte

Answer Area

short	birthYear = 1974;
boolean	exempt = false;
char	initial = 'D';
float	salary = 22123.5f;

References: http://www.tutorialspoint.com/java/java_basic_datatypes.htm

QUESTION 3

DRAG DROP

You are writing a Java method.

The program must meet the following requirements:

Accept a String parameter firstName

Display a welcome message that contains firstName

Ensure that the first letter of the name is capitalized, and the remaining letters are in lowercase

How should you complete the code? To answer, drag the appropriate code segment to the correct position. Each code segment may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to

view content.

NOTE: Each correct selection is worth one point.

Select and Place:

Code Segments

charAt

substring

toLowerCase

toUpperCase

Answer Area

```
public String showGreeting(String firstName)
{
    String welcomeMsg = "Welcome, ";
    welcomeMsg += firstName. (0, 1). ( ) +
    firstName. (1). ( );
    return welcomeMsg;
}
```

Correct Answer:



Code Segments

Answer Area

```
public String showGreeting(String firstName)
{
    String welcomeMsg = "Welcome, ";
    welcomeMsg += firstName.charAt(0, 1).substring() +
    firstName.toUpperCase(1).toLowerCase();
    return welcomeMsg;
}
```

QUESTION 4

HOTSPOT

You have the following code segment. Line numbers are included for reference only.

```
01 public class Customer
02 {
03     private int id = 3;
04     public static void main(String[] args)
05     {
06         Customer customer = new Customer();
07         id = 5;
08         showId();
09     }
10
11     protected void showId()
12     {
13         System.out.println(id);
14     }
15 }
```

The code does not compile.

For each of the following statements, select Yes if the action is required to resolve the compilation error. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

	Yes	No
Change the access modifier of the variable <code>id</code> to <code>public</code> .	<input type="checkbox"/>	<input type="checkbox"/>
Change the access modifier of the <code>showId</code> method to <code>public</code> .	<input type="checkbox"/>	<input type="checkbox"/>
On lines 07 and 08, add the prefix <code>customer.</code> to <code>id</code> and <code>showId()</code> .	<input type="checkbox"/>	<input type="checkbox"/>

Correct Answer:

Answer Area

	Yes	No
Change the access modifier of the variable <code>id</code> to <code>public</code> .	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Change the access modifier of the <code>showId</code> method to <code>public</code> .	<input type="checkbox"/>	<input checked="" type="checkbox"/>
On lines 07 and 08, add the prefix <code>customer.</code> to <code>id</code> and <code>showId()</code> .	<input checked="" type="checkbox"/>	<input type="checkbox"/>

References: <https://docs.oracle.com/javase/tutorial/java/javaOO/accesscontrol.html>

QUESTION 5

HOTSPOT

You are creating a Java console application.

You need to read a birthdate entered by the user.

How should you complete the code? To answer, select the appropriate code segments in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Answer Area

```
import 
      

public class DataReader
{
    public static String getBirthdate()
    {
        System.out.println("Enter your birthday in the format MMDDYYYY");

         ;
        

        String birthdate =  ;
                          
                          
                          

         ;
        
        
        

        return birthdate;
    }
}
```

Correct Answer:



Answer Area

```
import java.io.*  
java.util.Scanner  
  
public class DataReader  
{  
    public static String getBirthdate()  
    {  
        System.out.println("Enter your birthday in the format MMDDYYYY");  
  
        InputStream stream = System.in  
Scanner sc = new Scanner(System.in) ;  
  
        String birthdate = stream.read()  
sc.next()  
stream.mark(8)  
sc.wait() ;  
  
        stream.close()  
sc.close()  
stream.wait()  
sc.wait() ;  
  
        return birthdate;  
    }  
}
```

References: <https://docs.oracle.com/javase/7/docs/api/java/io/InputStreamReader.html>

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