98-388^{Q&As}

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Introduction to Programming Using Java

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QUESTION 1

HOTSPOT

You work as an intern Java programmer at Adventure Works. Your team lead asks you to create a method. The method must meet the following requirements:
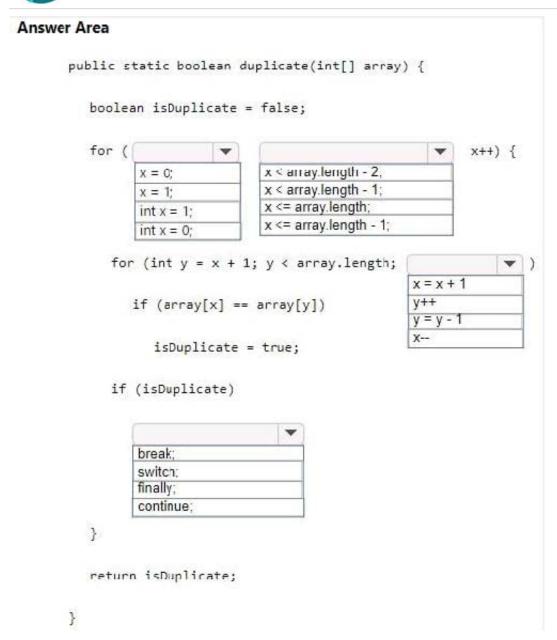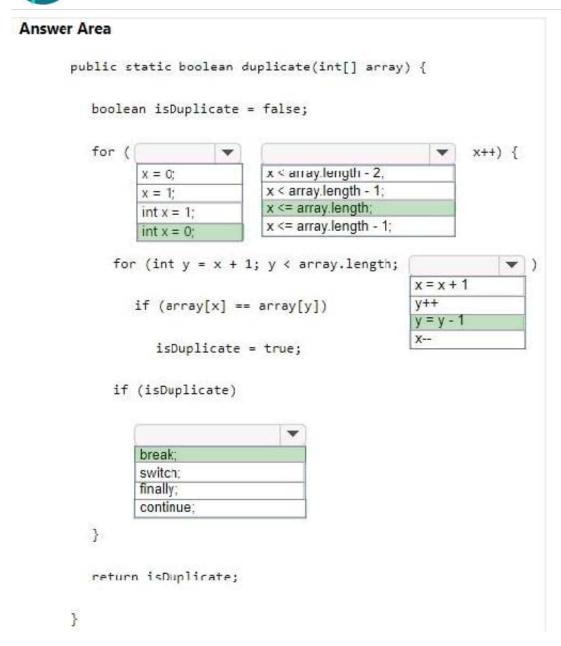
Accept an int array

Check for duplicate values in the array

Stop the outer loop as soon as a duplicate value has been detected and return true

Return false if all values in the array are unique 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

```
public static boolean duplicate(int[] array) {

    boolean isDuplicate = false;

    for (                    ▼         ▼    x++) {
            x = 0;                  x < array.length - 2,
            x = 1;                  x < array.length - 1;
            int x = 1;              x <= array.length;
            int x = 0;              x <= array.length - 1;

        for (int y = x + 1; y < array.length;         ▼   )
                                              x = x + 1
        if (array[x] == array[y])             y++
                                              y = y - 1
                isDuplicate = true;           x--

    if (isDuplicate)

                        ▼
            break;
            switch;
            finally;
            continue;

    }

    return isDuplicate;

}
```

Correct Answer:

Answer Area

```
public static boolean duplicate(int[] array) {

    boolean isDuplicate = false;

    for (                              x++) {
        x = 0;           x < array.length - 2,
        x = 1;           x < array.length - 1;
        int x = 1;       x <= array.length;
        int x = 0;       x <= array.length - 1;

        for (int y = x + 1; y < array.length;            )
                                        x = x + 1
            if (array[x] == array[y])   y++
                                        y = y - 1
                isDuplicate = true;     x--

        if (isDuplicate)


                break;
                switch;
                finally;
                continue;
    }

    return isDuplicate;

}
```

References: https://stackoverflow.com/questions/3951547/java-array-finding-duplicates

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QUESTION 2

HOTSPOT

You write the following Java program for Munson\\\'s Pickles and Preserves Farm. Line numbers are included for reference only.

```
01 class Pickle {
02   boolean isPreserved = false;
03   private boolean isCreated = false;
04
05   void preserve() {
06     isPreserved = true;
07   }
08
09   public static void main(String[] args)
10   {
11     Pickle pickle = new pickle();
12     isCreated = true;
13     pickle.preserve;
14   }
15 }
```

You encounter error messages when you attempt to compile the program.

You need to ensure the program compiles successfully.

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

```
class Pickle {
    boolean isPreserved = false;
    private boolean isCreated = false;

    void preserve() {
        isPreserved = true;
    }

    public static void main(String[] args)
    {
```

▼
Pickle pickle = new pickle();
Pickle pickle = new Pickle();
pickle Pickle = new Pickle();
pickle Pickle = new pickle();

▼
isCreated = true;
Pickle.isCreated = true;
pickle.isCreated = true;

▼
pickle.preserve;
pickle.preserve();
Pickle.preserve;
Pickle.preserve();

```
    }
}
```

Correct Answer:

Answer Area

```
class Pickle {
    boolean isPreserved = false;
    private boolean isCreated = false;

    void preserve() {
        isPreserved = true;
    }

    public static void main(String[] args)
    {
```

Pickle pickle = new pickle();
Pickle pickle = new Pickle();
pickle Pickle = new Pickle();
pickle Pickle = new pickle();

isCreated = true;
Pickle.isCreated = true;
pickle.isCreated = true;

pickle.preserve;
pickle.preserve();
Pickle.preserve;
Pickle.preserve();

```
    }
}
```

QUESTION 3

HOTSPOT

You need to evaluate the following code. Line numbers are included for reference only.

```
01 public static int fee(char model) {
02    irt price = 0;
03    switch (model) {
04      case 'A':
05        price = 50;
06        break;
07      case 'T':
08        price = 20;
09      case 'C':
10        price = 5;
11        break;
12      default:
13        price = 100;
14      break;
15    }
16    return price;
17 }
```

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.

Hot Area:

Answer Area

What is the return value when model has a value of 'A'?

5
20
50
100

What is the return value when model has a value of 'T'?

5
20
50
100

What is the return value when model has a value of 'C'?

5
20
50
100

What is the return value when model has any other value?

5
20
50
100

Correct Answer:

Answer Area

What is the return value when `model` has a value of 'A'?

5
20
50
100

What is the return value when `model` has a value of 'T'?

5
20
50
100

What is the return value when `model` has a value of 'C'?

5
20
50
100

What is the return value when `model` has any other value?

5
20
50
100

QUESTION 4

HOTSPOT

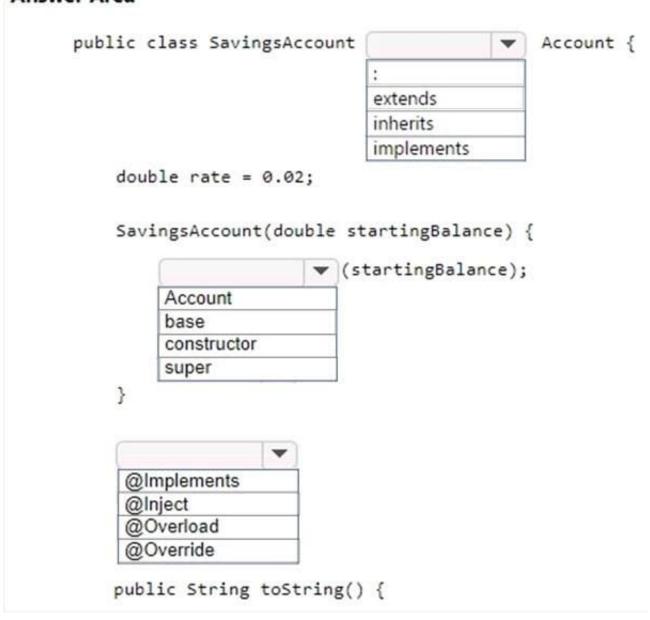You are writing a Java class named SavingsAccount. The class must meet the following requirements:

Inherit from an existing class named Account

Include a constructor that uses the base class constructor to initialize the starting balance
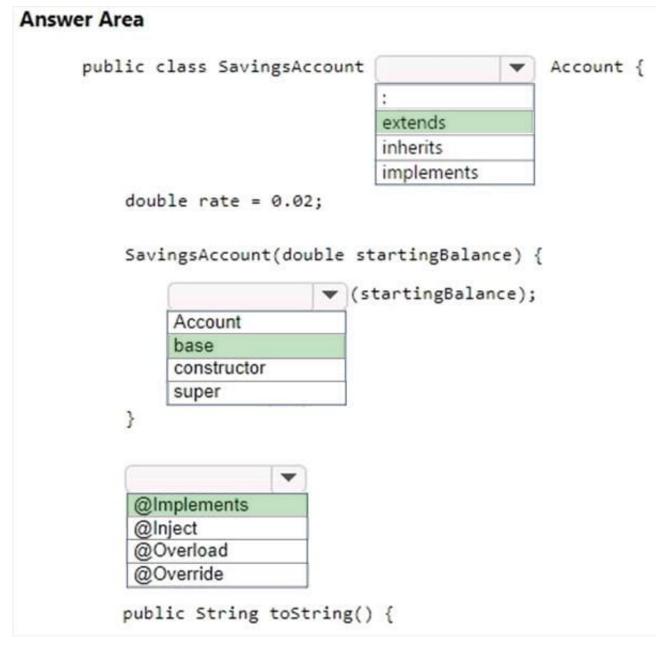
Include a substitute toString() method How should you complete the code? To answer, select the appropriate code segments in the answer area. NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
public class SavingsAccount [ ▼ ] Account {
                              [ :          ]
                              [ extends    ]
                              [ inherits   ]
                              [ implements ]

    double rate = 0.02;

    SavingsAccount(double startingBalance) {

        [              ▼ ] (startingBalance);
        [ Account     ]
        [ base        ]
        [ constructor ]
        [ super       ]
    }


    [              ▼ ]
    [ @Implements ]
    [ @Inject     ]
    [ @Overload   ]
    [ @Override   ]
    public String toString() {
```

Correct Answer:

Answer Area

```
public class SavingsAccount [      ▼ ] Account {
                              :
                              extends
                              inherits
                              implements

    double rate = 0.02;

    SavingsAccount(double startingBalance) {

        [          ▼ ] (startingBalance);
         Account
         base
         constructor
         super
    }

    [         ▼ ]
     @Implements
     @Inject
     @Overload
     @Override
    public String toString() {
```

References: https://www.tutorialspoint.com/java/java_inheritance.htm

QUESTION 5

HOTSPOT

You are creating a method that converts a string representation of a number into an actual number.

The numbers passed into the method include whole numbers and fractional numbers.

How should you complete the code? To answer, select the appropriate code segments in the answer area.
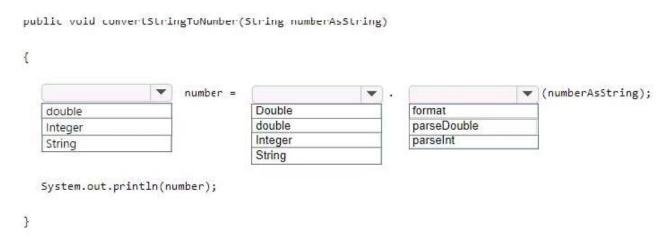
NOTE: Each correct selection is worth one point.

Hot Area:

Answer Area

```
public void convertStringToNumber(String numberAsString)
{

    [  ▼ ]  number =  [  ▼ ]  .  [  ▼ ]  (numberAsString);
    | double |        | Double |      | format      |
    | Integer|        | double |      | parseDouble |
    | String |        | Integer|      | parseInt    |
                      | String |

    System.out.println(number);

}
```

Correct Answer:

Answer Area

```
public void convertStringToNumber(String numberAsString)
{

    [  ▼ ]  number =  [  ▼ ]  .  [  ▼ ]  (numberAsString);
    | double |        | Double |      | format      |
    | Integer|        | double |      | parseDouble |
    | String |        | Integer|      | parseInt    |
                      | String |

    System.out.println(number);

}
```

References: https://docs.oracle.com/javase/tutorial/java/data/converting.html