

AED Fall 2018 - Quiz 1 - (09:...

20 minutes

Question - 1	SCORE: 10 points
Application Development Java	
Given the following declarations	
<pre>String s1=new String("Hello") String s2=new String("there"); String s3=new String();</pre>	
Which of the following are legal operations?	
s3=s1 + s2;	
s3=s1 - s2;	
S3=s1 & s2	
s3=s1 && s2	
Question - 2	SCORE: 10 points
Application Development Java	
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Application Development Java  Which of the following statement is true about the code below?	
Which of the following statement is true about the code below?  class A {   int a;   public A(int x){a = x;}	
<pre>Which of the following statement is true about the code below?  class A {    int a;    public A(int x){a = x;} };  class B{    int b;    public B(int x):b(x){}</pre>	
<pre>Which of the following statement is true about the code below?  class A {    int a;    public A(int x){a = x;} };  class B{    int b;    public B(int x):b(x){} };  Class A and Class B constructors represent two ways of initializing the</pre>	
<pre>Which of the following statement is true about the code below?  class A {    int a;    public A(int x){a = x;} };  class B{    int b;    public B(int x):b(x){} };  Class A and Class B constructors represent two ways of initializing the member variables.</pre>	

Question - 3 Constructor

SCORE: 10 points

```
public class Puppy {
   String name;
   int age;
   public Puppy() {
   public Puppy(String name, int age) {
      this.name = name;
      this.age = age;
   }
}
```

Which of the following is correct syntax to create a Puppy object? (You need to select all right answers)

- Puppy p = new Puppy();
- Puppy p = new Puppy("Doggy");
- Puppy p = new Puppy(Doggy, 12);
- Puppy p = new Puppy("Doggy", "12");

## Question - 4

SCORE: 10 points

```
public class Puppy {
   int puppyAge = 0;
   public Puppy(String name, int age) {
      System.out.println("Name chosen is :" +
name );
   }
   public void setAge(int age) {
      puppyAge = age;
   public int getAge() {
      return puppyAge;
   public static void main(String []args) {
      Puppy myPuppy = new Puppy("Tommy", 2);
      int age1 = myPuppy.getAge();
      int age2 = myPuppy.puppyAge;
      myPuppy.setAge(5);
      int age3 = myPuppy.getAge();
      // output all the ages
      System.out.println(age1 + ", " + age2 + ",
" + age3);
   }
}
```

Which is the correct output?

- 2, 2, 5
- 0, 2, 5
- 2, 0, 5

0, 0, 5

```
Question - 5
                                                                   SCORE: 10 points
```

```
class Bank {
    private String name = "BOA";
     public String getName() {
      return this .name;
     public void setName(String name) {
       this.name = name;
  }
}
class Employee {
     private String name;
     private Bank bank;
     public void setName(String name) {
       this.name = name;
     public String getName() {
       return this .name;
     public void setBank(Bank bank){
       this.bank = bank;
     public Bank getBank() {
      return this .bank;
     public static void main(String[] args){
         Bank b1 = new Bank();
         String n1 = b1.getName();
         Bank b2 = new Bank();
         b2.setName("Chase");
         String n2 = b2.getName();
         Employee e = new Employee();
         e.setName("Mike");
         String n3 = e.getBank().getName();
What is the value for n1, n2, n3?
       "BOA" "Chase" "BOA"
        Throw NullPointerException at n1
        Throw NullPointerException at n2
       Throw NullPointerException at n3
Question - 6
                                                       SCORE: 10 points
Git Command
```

What is the correct order to use following git commands when you want to upload your new assignment to Bitbucket?

A. git commit -m "Add new assignment"  B. git addall	
C. git pushall	
ABC	
ACB	
BAC	
ВСА	
CAB	
СВА	
Question - 7	SCORE: 10 points
// Predict the output of following Java program?  class Test {	
int i;	
<pre>} class Main {</pre>	
<pre>public static void main(String args[]) {</pre>	
Test t;	
<pre>System.out.println(t.i); }</pre>	
runtime error	
<ul><li>compiler error</li></ul>	
garbage value	
Question - 8	SCORE: 10 points
class Student {	
? String name = "Lily"; }	
public class Main {	
<pre>public class main {     public static void main(String[] args) {</pre>	
<pre>Student s = new Student(); System.out.println(s.name);</pre>	
}	
}	
If we want to access the name using s.name, it can be declared as (choose all possible answers):	
private	
public	

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Question - 9	SCORE: 10 points	
Examine the following declarations:		
int score; String name;		
Which of the following is true?		
score is a primitive variable, name is a reference variable.		
score is a reference variable, name is a primitive variable.		
both are primitive variables		
both are reference variables		
Question - 10	SCORE: 10 points	
What is will be output by execute following section of code:		
String str1 = new String("Happy "); String str2 = new String("Sad ");		
str1 = str2;		
<pre>if ( str1 == str2 )   system.out.println("Same Value!");</pre>		
<pre>else     system.out.println("Different value!");</pre>		
"Same Value!"		
"Different value!"		
"Same Value!" "Different value!"		
None		