Time: 25 min Mark: 20

Name: ID:

1) Identify the errors in the code below and fix the errors. You are not allowed to delete any line [8] of code. You can only add new line or edit existing line

```
package ct5.secD;
public class TestAnimal {
  public static void main(String[] args) {
      Animal tiger = new Animal("Tiger") {
        boolean canSwim = true;
        @Override
        public void makeSound() {
            System.out.println("Roar");
        public void hunt(String prey) {
            System.out.printf("%s like to hunt %s\n", name, prey);
      }
      tiger.makeSound();
      tiger.hunt("Deer");
      System.out.println(tiger.canSwim);
}
abstract class Animal{
  String name, color;
  float weight;
  public Animal(String name) {
      this.name = name;
  }
  public abstract void makeSound();
   public String toString() {
      return String.format("%s-%s-%.1f", name, color, weight);
}
```

2) Create a multi-threaded application extending the Thread class. The application will run 3 threads where each thread will print the summation of first 10 even numbers. Note: Do not use hardcoded 10 numbers, rather use logic to identify the even numbers.

[12]

Time: 25 min Mark: 20

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1) Complete the code below as per the comment in the code.

[8]

```
package ct5.secD;
public class CT5_OuterClass {
      String ctName;
      int mark = 20;
      public void display() {
            System.out.println(ctName);
            System.out.println(mark);
      }
      class QuizInner{
            int markInner = 10;
            public void printDetails() {
                  display();
                  System.out.println(markInner);
            }
      }
}
class TestNestedClass{
   public static void main(String[] args) {
      // Create the object of the QuizInner class in proper way
      // and assign to a variable name "inner"
      //Call the printDetails() method using the "inner" variable.
   }
```

2) Create a multi-threaded application implementing the Runnable interface. The application [12] should run 3 threads where each thread will print 10 random numbers between 0 to 99.