```
18
public class Test{
public static void main(String[]args) {
// your implementation goes here
Counter c1 = new Counter(5, 4);
new Thread(){
public void run() {
c1.countRange();
}
}.start();
new Thread(){
public void run() {
c1.countRange();
}
}.start();
}
}
17
public class Test implements Runnable {
public void run() {
try {
System.out.println("Executing run() method");
```

```
} catch (Exception e) {
System.out.println(e);
}
}
public static void main(String[] args) {
Thread.currentThread().setPriority(8);
System.out.println("main thread priority is " + Thread.currentThread().getPriority());
Thread t = new Thread(new Test());
System.out.println("myTest thread priority is " + t.getPriority());
}
}
19
public class Test extends JFrame
   JButton myButton = new JButton("Test button");
   public static String generateLabel() {
        List<String> labels = new ArrayList<String>();
        labels.add("Test button");
       labels.add("Press me");
        labels.add("Do you feel lucky?");
        labels.add("Try me");
       labels.add("Test me");
        Random random = new Random();
        int randomInteger = random.nextInt(labels.size());
        return labels.get(randomInteger);
   public Test() {
        setDefaultCloseOperation(JFrame.EXIT ON CLOSE);
       setTitle("Test app");
        setSize(300,200);
```

```
setLocation(10,200);
        JPanel content = new JPanel();
           JButton myButton = new JButton("Test button");
         content.add(myButton);
        setContentPane(content);
         // your code for handling button click event goes
here
        myButton.addActionListener(new CustomListener()
private class CustomListener implements ActionListener{
   @Override
   public void actionPerformed(ActionEvent e)
        myButton.setText(Test.generateLabel());
   public static void main(String[]args)
        JFrame myApp = new Test();
        myApp.show();
20
public class Test {
 private static <K, V, D> void printObject(K keyObject, V valueObject, D descriptionObject) {
      System.out.print(keyObject+": "+valueObject+", "+descriptionObject);
 }
 public static void main(String[] args) {
      printObject("StringKey",101,"new third argument");
      System.out.println();
      printObject(10, "this is my value", 5);
      System.out.println();
      printObject("StringKey", 10.5, "new argument");
      System.out.println();
```

```
printObject(12, 1.2, "really new argument");
        System.out.println();
  }
22
public class Test {
public class Test {
public static void main(String args[]){
// your code goes in here; create a new instance of Dog //class, call it "dog1"
try{
Dog dog1 = Dog.class.newInstance();
dog1.setName("Ki");
dog1.setWeight(100.2);
}catch(InstantiationException | IllegalAccessException e){
System.out.println(e);
}
}
}
21
Class employeeClass = Class.forName("Employee");
```