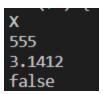# {···}

Question 4

Write a Java program for reading and writing a random access file.

```java
import java.io.*;

public class RandomAcc {
    public static void main(String args[]) {
        RandomAccessFile file = null;

        try {
            file = new RandomAccessFile("rand.txt", "rw");

            file.writeChar('X'); //2 bytes
            file.writeInt(555); //4 bytes
            file.writeDouble(3.1412); //8 bytes
            file.writeBoolean(false);

            file.seek(0);
            System.out.println(file.readChar());

            file.seek(2);
            System.out.println(file.readInt());

            file.seek(6);
            System.out.println(file.readDouble());

            file.seek(14);
            System.out.println(file.readBoolean());
        }
        catch (IOException e) {
            System.out.println(e);
        }
        finally {
            try {
                file.close();
            }
            catch (IOException e) {
                System.out.println(e.getMessage());
            }
```

```
            }
        }
    }
```

Output: