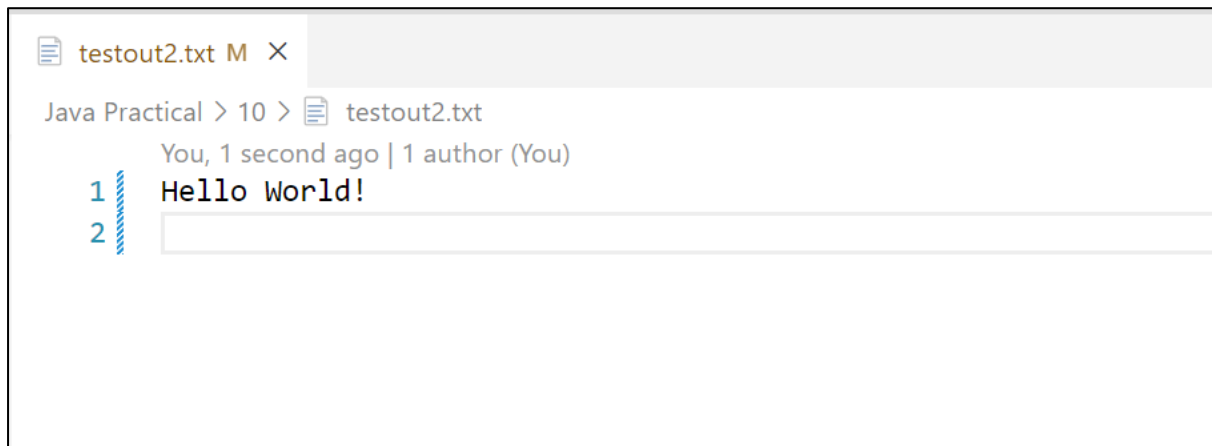1. Write a program in java using FileInputStream, FileOutputStream class to read/ write the file.

Code:

```java
import java.io.FileOutputStream;
public class Main2 {
  public static void main(String args[]) {
    try {
      String s = "Hello World!\n";
      byte b[] = s.getBytes();
      FileOutputStream fout = new FileOutputStream("testout2.txt");
      fout.write(b);
      fout.close();
      System.out.println("Success");
    } catch (Exception e){
      System.out.println(e);
    }
  }
}
```

Output:

```
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> javac Main2.java
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> java Main2
Success
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10>
```

Code:

```java
import java.io.FileInputStream;

public class Main3 {
  public static void main(String args[]) {
    try {
      FileInputStream fin = new FileInputStream("testout2.txt");
      int i = 0;
      while ((i = fin.read()) != -1) {
        System.out.print((char) i);
      }
      fin.close();
    } catch (Exception e) {
      System.out.println(e);
    }
  }
}
```

Output:

```
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> javac Main3.java
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> java Main3
Hello World!
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10>
```

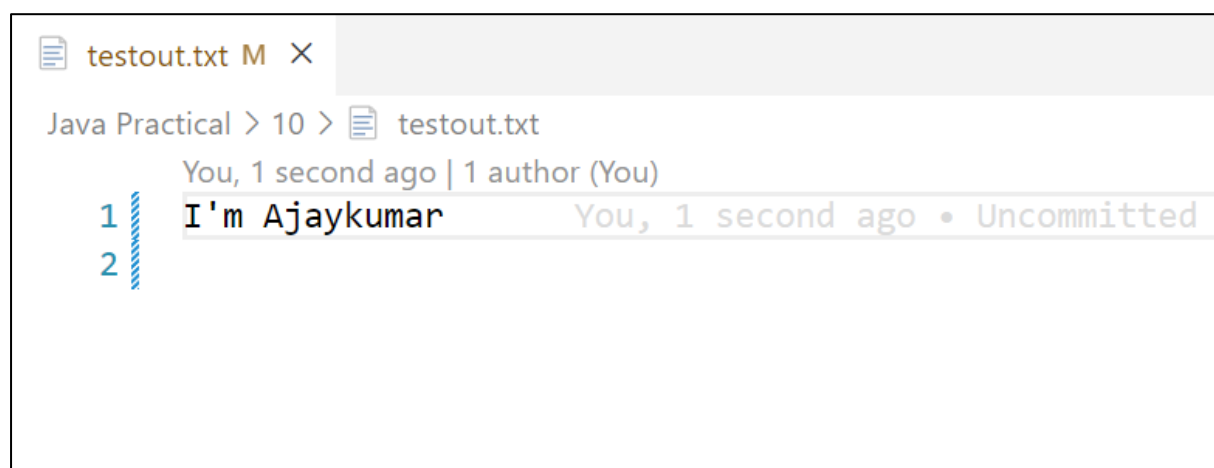2. Write a program in java using BufferedInputStream, BufferedOutputStream class to read/write the file

Code:

```java
import java.io.*;

public class Main5 {
  public static void main(String args[]) {
    try {
      FileOutputStream fout1 = new FileOutputStream("testout.txt");
      BufferedOutputStream bout = new BufferedOutputStream(fout1);
      String s = "I'm Ajaykumar\n";
      byte b[] = s.getBytes();
      bout.write(b);
      bout.close();
      fout1.close();
      System.out.println("Success");
    } catch (Exception e){
      System.out.println(e);
    }
  }
}
```

Output:

```
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> javac Main5.java
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> java Main5
Success
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10>
```

Code:

```java
import java.io.*;

public class Main4 {
  public static void main(String args[]) {
    try {
      FileInputStream fin = new FileInputStream("testout.txt");
      BufferedInputStream bin = new BufferedInputStream(fin);
      int i = 0;
      while ((i = bin.read()) != -1) {
        System.out.print((char) i);
      }
      bin.close();
      fin.close();
    } catch (Exception e) {
      System.out.println(e);
    }
  }
}
```

Output:

```
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> javac Main4.java
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> java Main4
I'm Ajaykumar
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10>
```

3. Write a program in java using ByteArrayInputStream class to read /write the file

Code:

```java
import java.io.*;

public class Main6 {
  public static void main(String args[]) {
    try {
      byte[] buf = {35, 36, 37, 38, 62, 64};
      ByteArrayInputStream byt = new ByteArrayInputStream(buf);
      int k= 0;
      while ((k = byt.read()) != -1) {
        char ch = (char) k;
        System.out.println("ASCII value  of character i: "+k+"\n
Special character is: "+ch);
      }
    } catch (Exception e){
      System.out.println(e);
    }
  }
}
```
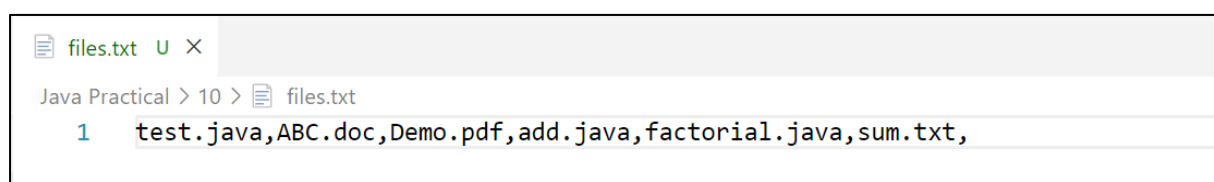
Output:

```
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> javac Main6.java
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> java Main6
ASCII value  of character i: 35
 Special character is: #
ASCII value  of character i: 36
 Special character is: $
ASCII value  of character i: 37
 Special character is: %
ASCII value  of character i: 38
 Special character is: &
ASCII value  of character i: 62
 Special character is: >
ASCII value  of character i: 64
 Special character is: @
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10>
```

You have been given the list of the names of the files in a directory. You have to select Java files from them. A file is a Java file if it's name ends with ".java". For e.g. File-"Names.java" is a Java file, "FileNames.java.pdf" is not. Input: test.java, ABC.doc, Demo.pdf, add.java, factorial.java, sum.txt Output: tset.java, add.java, factorial.java

Code:

```java
import java.io.FileInputStream;
public class Main7 {
  public static void main(String args[]) {
    try {
      FileInputStream fin = new FileInputStream("files.txt");
      int i = 0;
      String[] arr = new String[10];
      String temp = "";
      int counter = 0;
      while ((i = fin.read()) != -1) {
        if ((char) i == ',') {
          arr[counter] = temp;
          temp = "";
          counter++;
        } else {
          temp = temp + (char) i;
        }
      }
      for (int j = 0; j < counter; j++) {
        if (arr[j].endsWith(".java")) {
          System.out.println(arr[j]);
        }
      }
      fin.close();
    } catch (Exception e) {System.out.println(e);}
  }
}
```

files.txt U ✕

Java Practical > 10 > files.txt

```
1    test.java,ABC.doc,Demo.pdf,add.java,factorial.java,sum.txt,
```

Output:
```
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> javac Main7.java
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10> java Main7
test.java
add.java
factorial.java
PS C:\Users\Ajay kumar\Desktop\SEIT-B\Java Practical\10>
```