

EXPLORER

...

J Clothing.javaJ Main.java XJ Accessory.java

PTS

> .vscode

> bin

> lib

src

J Accessory.class

J Accessory.java

J Clothing.class

J Clothing.java

J Main.class

J Main.java

J ThriftItem.class

J ThriftItem.java

① README.md

> TIMELINE

> JAVA PROJECTS

src > J Main.java > ...

1import java.io.*;

2import java.util.ArrayList;

3

4abstract class ThriftItem {

5private String jenis;

6private String ukuran;

7private String kategori;

8

9public ThriftItem(String jenis, String ukuran, String kategori) {

10this.jenis = jenis;

11this.ukuran = ukuran;

12this.kategori = kategori;

13}

14

15public String getJenis() {

16return jenis;

17}

18

19public String getUkuran() {

20return ukuran;

21}

22

23public String getKategori() {

24return kategori;

25}

26

27// Abstract method to be implemented by all subclasses

28public abstract void displayDetails();

29}

30

31public class Main {

32private static final BufferedReader input = new BufferedReader(new InputStreamReader(System.in));

33private static ArrayList<ThriftItem> DataThrift = new ArrayList<>();

34

35Run | Debug

public static void main(String[] args) throws Exception {

The screenshot shows an IDE with a project named 'PTS'. The Explorer panel on the left lists the following files and folders:

- PTS
 - .vscode
 - bin
 - lib
 - src
 - Accessory.class
 - Accessory.java
 - Clothing.class
 - Clothing.java
 - Main.class
 - Main.java (selected)
 - ThriftItem.class
 - ThriftItem.java
 - README.md

The main editor displays the code for 'Main.java'. The code is as follows:

```
src > J Main.java > ThriftItem > getUkuran()
31 public class Main {
32     non-compile
33     non-compile
34     non-compile
35     public static void main(String[] args) throws Exception {
36         while (true) {
37             System.out.println(x:"\nMenu Utama");
38             System.out.println(x:"1. Tambah Data");
39             System.out.println(x:"2. Tampilkan Data");
40             System.out.println(x:"3. Update Data");
41             System.out.println(x:"4. Hapus Data");
42             System.out.println(x:"5. Keluar");
43             System.out.print(s:"Masukkan pilihan >>> ");
44             int pilihan = Integer.parseInt(input.readLine());
45
46             switch (pilihan) {
47                 case 1:
48                     tambahData();
49                     break;
50                 case 2:
51                     displayData();
52                     break;
53                 case 3:
54                     updateData();
55                     break;
56                 case 4:
57                     deleteData();
58                     break;
59                 case 5:
60                     System.out.println(x:"Keluar program...");
61                     System.exit(status:0);
62                     break;
63                 default:
64                     System.out.println(x:"Pilihan tidak ada. Silakan coba lagi.");
65                     break;
66             }
67         }
68     }
69 }
```

EXPLORER

PT5

> .vscode

> bin

> lib

> src

Accessory.class

Accessory.java

Clothing.class

Clothing.java

Main.class

Main.java

ThrifItem.class

ThrifItem.java

README.md

TIMELINE

JAVA PROJECTS

Clothing.java

Main.java

Accessory.java

src > J Main.java > ThrifItem > getUkuran()

31 public class Main {

70 static void tambahData() throws IOException {

71 String lanjut;

72 do {

73 System.out.println(x:"\nTambah Data");

74 System.out.println(x:"Pilih jenis item:");

75 System.out.println(x:"1. Pakaian");

76 System.out.println(x:"2. Aksesoris");

77 System.out.print(s:"Pilihan Anda >>> ");

78 int jenisItem = Integer.parseInt(input.readLine());

79

80 String jenis = "", ukuran = "", kategori = "", material = "", color = "";

81

82 while (jenis.trim().isEmpty()) {

83 System.out.print(s:"Masukkan jenis >>> ");

84 jenis = input.readLine();

85 if (jenis.trim().isEmpty()) {

86 System.out.println(x:"Jenis tidak boleh kosong.");

87 }

88 }

89

90 while (ukuran.trim().isEmpty()) {

91 System.out.print(s:"Masukkan ukuran >>> ");

92 ukuran = input.readLine();

93 if (ukuran.trim().isEmpty()) {

94 System.out.println(x:"Ukuran tidak boleh kosong.");

95 }

96 }

97

98 while (kategori.trim().isEmpty()) {

99 System.out.print(s:"Masukkan kategori >>> ");

100 kategori = input.readLine();

101 if (kategori.trim().isEmpty()) {

102 System.out.println(x:"Kategori tidak boleh kosong.");

103 }

```
EXPLORER  ...  J Clothing.java  J Main.java  X  J Accessory.java

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  J Accessory.java
  J Clothing.class
  J Clothing.java
  J Main.class
  J Main.java
  J ThriftItem.class
  J ThriftItem.java
  README.md

src > J Main.java > ThriftItem > getUkuran()
31  public class Main {
70      static void tambahData() throws IOException {
105
106          ThriftItem item = null;
107          switch (jenisItem) {
108              case 1:
109              System.out.print(s:"Masukkan material >>> ");
110              material = input.readLine();
111              item = new Clothing(jenis, ukuran, kategori, material);
112              break;
113              case 2:
114              System.out.print(s:"Masukkan warna >>> ");
115              color = input.readLine();
116              item = new Accessory(jenis, ukuran, kategori, color);
117              break;
118              default:
119              System.out.println(x:"Pilihan tidak valid.");
120              break;
121          }
122
123          if (item != null) {
124              DataThrift.add(item);
125              System.out.println(x:"Data telah ditambahkan!");
126          }
127
128          System.out.print(s:"Tambah data lagi? (y/n) >>> ");
129          lanjut = input.readLine();
130          } while (lanjut.equalsIgnoreCase(anotherString:"y"));
131      }
132
133      static void displayData() {
134          if (DataThrift.isEmpty()) {
135              System.out.println(x:"Tidak ada data untuk ditampilkan.");
136          }
137          return;
138      }
139  }
```

```
EXPLORER  ...  J Clothing.java  J Main.java  X  J Accessory.java

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src > J Main.java > ThriftItem > getUkuran()
31  public class Main {
133      static void displayData() {
139          System.out.printf(format:"%-3s | %-20s | %-15s | %-20s\n", ...args:"No", "Jenis", "Ukuran", "Kategori");
140          System.out.println(x:"-----");
141
142          int nomor = 1;
143          for (ThriftItem trf : DataThrift) {
144              System.out.printf(format:"%-3d | %-20s | %-15s | %-20s\n", nomor++, trf.getJenis(), trf.getUkuran(), trf.getKategori());
145              trf.displayDetails();
146          }
147      }
148
149      static void updateData() throws IOException {
150          if (DataThrift.isEmpty()) {
151              System.out.println(x:"Tidak ada data untuk diperbarui.");
152              return;
153          }
154          displayData();
155          System.out.print(s:"Masukkan nomor data yang ingin diupdate: ");
156          int index = Integer.parseInt(input.readLine()) - 1;
157
158          if (index >= 0 && index < DataThrift.size()) {
159              ThriftItem trf = DataThrift.get(index);
160
161              System.out.print(s:"Masukkan jenis baru >>> ");
162              String jenis = input.readLine();
163              System.out.print(s:"Masukkan ukuran baru >>> ");
164              String ukuran = input.readLine();
165              System.out.print(s:"Masukkan kategori baru >>> ");
166              String kategori = input.readLine();
167
168              if (trf instanceof Clothing) {
169                  System.out.print(s:"Masukkan material baru >>> ");
170                  String material = input.readLine();
171                  Clothing updatedItem = new Clothing(jenis, ukuran, kategori, material);
172                  DataThrift.set(index, updatedItem);
173              }
174          }
175      }
176  }
```

EXPLORER

PT5

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src

Accessory.class

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ThriftItem.java

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Clothing.java

Main.java

Accessory.java

src > J Main.java > ThriftItem > getUkuran()

31 public class Main {

149 static void updateData() throws IOException {

173 } else if (trf instanceof Accessory) {

174 System.out.print(s:"Masukkan warna baru >>> ");

175 String color = input.readLine();

176 Accessory updatedItem = new Accessory(jenis, ukuran, kategori, color);

177 DataThrift.set(index, updatedItem);

178 }

179 System.out.println(x:"Data berhasil diupdate.");

180 } else {

181 System.out.println(x:"Nomor data tidak valid.");

182 }

183 }

184 }

185 static void deleteData() throws IOException {

186 if (DataThrift.isEmpty()) {

187 System.out.println(x:"Tidak ada data untuk dihapus.");

188 return;

189 }

190 displayData();

191 System.out.print(s:"Masukkan nomor data yang ingin dihapus: ");

192 int index = Integer.parseInt(input.readLine()) - 1;

193 }

194 if (index >= 0 && index < DataThrift.size()) {

195 DataThrift.remove(index);

196 System.out.println(x:"Data berhasil dihapus.");

197 } else {

198 System.out.println(x:"Nomor data tidak valid.");

199 }

200 }

201 }

202 }