

File Explorer window showing the directory structure of the 'java practic' folder. The left sidebar shows the navigation pane with 'This PC' and 'New Volume (D:)' selected. The main pane displays the contents of the 'java practic' folder.

Windows PowerShell window showing the execution of Java code:

```
PS D:\java practic> javac StackExample.java
PS D:\java practic> java StackExample
Third
Second
First
PS D:\java practic>
```

File Explorer window showing the contents of the 'java practic' folder:

Name	Size	Type
breakpoint.class	1 KB	CLASS File
packages		File folder
ArrayListExample.java	1 KB	JAVA File
ArrayListExample.class	1 KB	CLASS File
HashSetExample.java	1 KB	JAVA File
HashSetExample.class	1 KB	CLASS File
HashMapExample.java	1 KB	JAVA File
HashMapExample.class	1 KB	CLASS File
QueueExample.java	1 KB	JAVA File
QueueExample.class	1 KB	CLASS File
StackExample.java	1 KB	JAVA File

Code editor window showing the source code for 'StackExample.java'.

```
import java.util.ArrayDeque;
import java.util.Deque;

public class StackExample {
    public static void main(String[] args) {
        Deque<String> stack = new ArrayDeque<>();
        stack.push("First");
        stack.push("Second");
        stack.push("Third");

        while (!stack.isEmpty()) {
            System.out.println(stack.pop());
        }
    }
}
```

java practic

Windows PowerShell

Windows PowerShell
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PS D:\java practic> javac QueueExample.java
PS D:\java practic> java QueueExample
First
Second
Third
PS D:\java practic>

addition.class	12-11-2024 22:35	CLASS File	1 KB
addition.java	12-11-2024 22:37	JAVA File	1 KB
breakpoint.java	12-11-2024 22:29	JAVA File	1 KB
breakpoint.class	12-11-2024 22:27	CLASS File	1 KB
packages	22-12-2024 18:15	File folder	
ArrayListExample.java	23-12-2024 18:10	JAVA File	1 KB
ArrayListExample.class	23-12-2024 18:10	CLASS File	1 KB
HashSetExample.java	23-12-2024 18:11	JAVA File	1 KB
HashSetExample.class	23-12-2024 18:11	CLASS File	1 KB
HashMapExample.java	23-12-2024 18:12	JAVA File	1 KB
HashMapExample.class	23-12-2024 18:12	CLASS File	1 KB
QueueExample.java	23-12-2024 18:13	JAVA File	1 KB

173 items

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File Edit View

```
import java.util.LinkedList;
import java.util.Queue;

public class QueueExample {
    public static void main(String[] args) {
        Queue<String> queue = new LinkedList<>();
        queue.add("First");
        queue.add("Second");
        queue.add("Third");

        while (!queue.isEmpty()) {
            System.out.println(queue.poll());
        }
    }
}
```

Java practice

Windows PowerShell

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PS D:\java practic> javac HashMapExample.java
PS D:\java practic> java HashMapExample
Yellow
PS D:\java practic>

File Name	Modified	Size
helloworld.java	12-11-2024 22:52	1 KB
helloworld.class	12-11-2024 22:50	1 KB
addition.class	12-11-2024 22:39	1 KB
addition.java	12-11-2024 22:37	1 KB
breakpoint.java	12-11-2024 22:29	1 KB
breakpoint.class	12-11-2024 22:27	1 KB
packages	22-12-2024 18:15	File folder
ArrayListExample.java	23-12-2024 18:10	1 KB
ArrayListExample.class	23-12-2024 18:10	1 KB
HashSetExample.java	23-12-2024 18:11	1 KB
HashSetExample.class	23-12-2024 18:11	1 KB
HashMapExample.java	23-12-2024 18:12	1 KB

171 items

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File Edit View

```
import java.util.HashMap;  
  
public class HashMapExample {  
    public static void main(String[] args) {  
        HashMap<String, String> fruitColors = new HashMap<>();  
        fruitColors.put("Apple", "Red");  
        fruitColors.put("Banana", "Yellow");  
        fruitColors.put("Grape", "Purple");  
  
        String bananaColor = fruitColors.get("Banana");  
        System.out.println(bananaColor);  
    }  
}
```

File Explorer window showing the directory structure of the 'java practic' folder. The left sidebar shows the navigation pane with 'java practic' selected. The main pane displays a list of files and folders.

Name	Date modified	Type	Size
IterateCharacters.java	23-11-2024 10:28	JAVA File	1 KB
AddCharactersToString.class	23-11-2024 10:22	CLASS File	2 KB
AddCharactersToString.java	23-11-2024 10:21	JAVA File	1 KB
New Windows PowerShell			
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PS D:\java practic> javac HashSetExample.java			
PS D:\java practic> java HashSetExample			
1			
2			
3			
PS D:\java practic>			
PS D:\java practic>			
breakpoint.class	12-11-2024 22:27	CLASS File	1 KB
packages	22-12-2024 18:15	File folder	
ArrayListExample.java	23-12-2024 18:10	JAVA File	1 KB
ArrayListExample.class	23-12-2024 18:10	CLASS File	1 KB
HashSetExample.java	23-12-2024 18:11	JAVA File	1 KB

```
import java.util.HashSet;

public class HashSetExample {
    public static void main(String[] args) {
        HashSet<Integer> numbers = new HashSet<>();
        numbers.add(1);
        numbers.add(2);
        numbers.add(3);
        numbers.add(2);

        for (Integer number : numbers) {
            System.out.println(number);
        }
    }
}
```

File Explorer window showing the directory structure of 'java practic'.

Left sidebar: Home, Gallery, sarhih - Personal, Downloads, Documents, Pictures, Videos, Music, java practic (selected), Java Programming, packages, Screenshots, This PC, Network.

Address bar: This PC > New Volume (D:) > java practic >

File list:

Name	Date modified	Type	Size
EnumToStringExample.java	23-11-2024 10:32	JAVA File	1 KB
ArrayListExample.java	23-12-2024 10:10	JAVA File	1 KB
helloworld.class	12-11-2024 22:50	CLASS File	1 KB
addition.class	12-11-2024 22:39	CLASS File	1 KB
addition.java	12-11-2024 22:37	JAVA File	1 KB
breakpoint.java	12-11-2024 22:29	JAVA File	1 KB
breakpoint.class	12-11-2024 22:27	CLASS File	1 KB
packages	22-12-2024 18:15	File folder	

Windows PowerShell window:

```
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PS D:\java practic> javac ArrayListExample.java
PS D:\java practic> java ArrayListExample
Apple
Banana
Cherry
PS D:\java practic>
```

Code editor window showing the source code of 'ArrayListExample.java'.

File list: nericExam, TypeDiamon, GenericMet, WildcardExa, UpperBound, Student.java, ArrayList (selected).

Code:

```
import java.util.ArrayList;

public class ArrayListExample {
    public static void main(String[] args) {
        ArrayList<String> fruits = new ArrayList<>();
        fruits.add("Apple");
        fruits.add("Banana");
        fruits.add("Cherry");

        for (String fruit : fruits) {
            System.out.println(fruit);
        }
    }
}
```