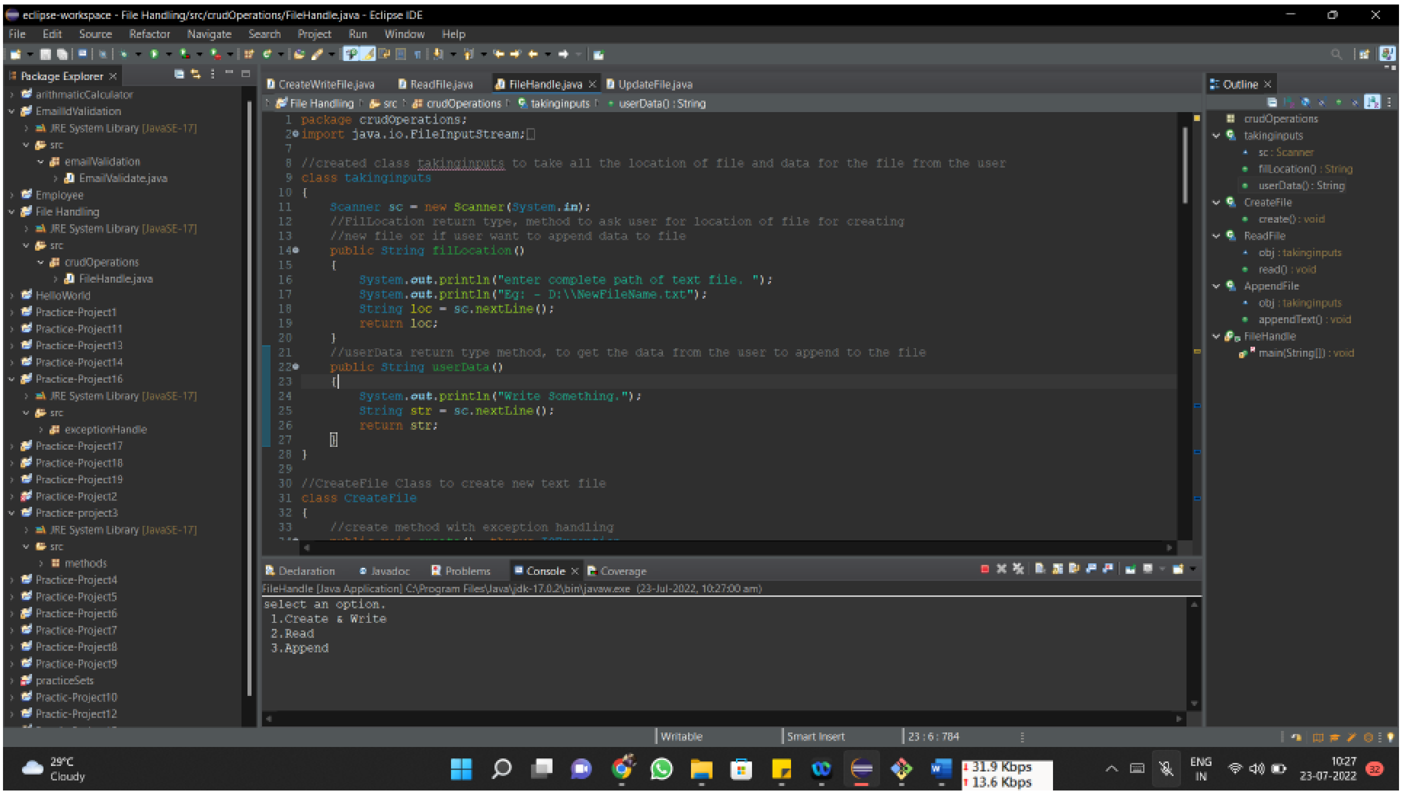
File Handling Code ScreenShots



eclipse-workspace - File Handling/src/crudOperations/FileHandle.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
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ReadFile.java
FileHandle.java
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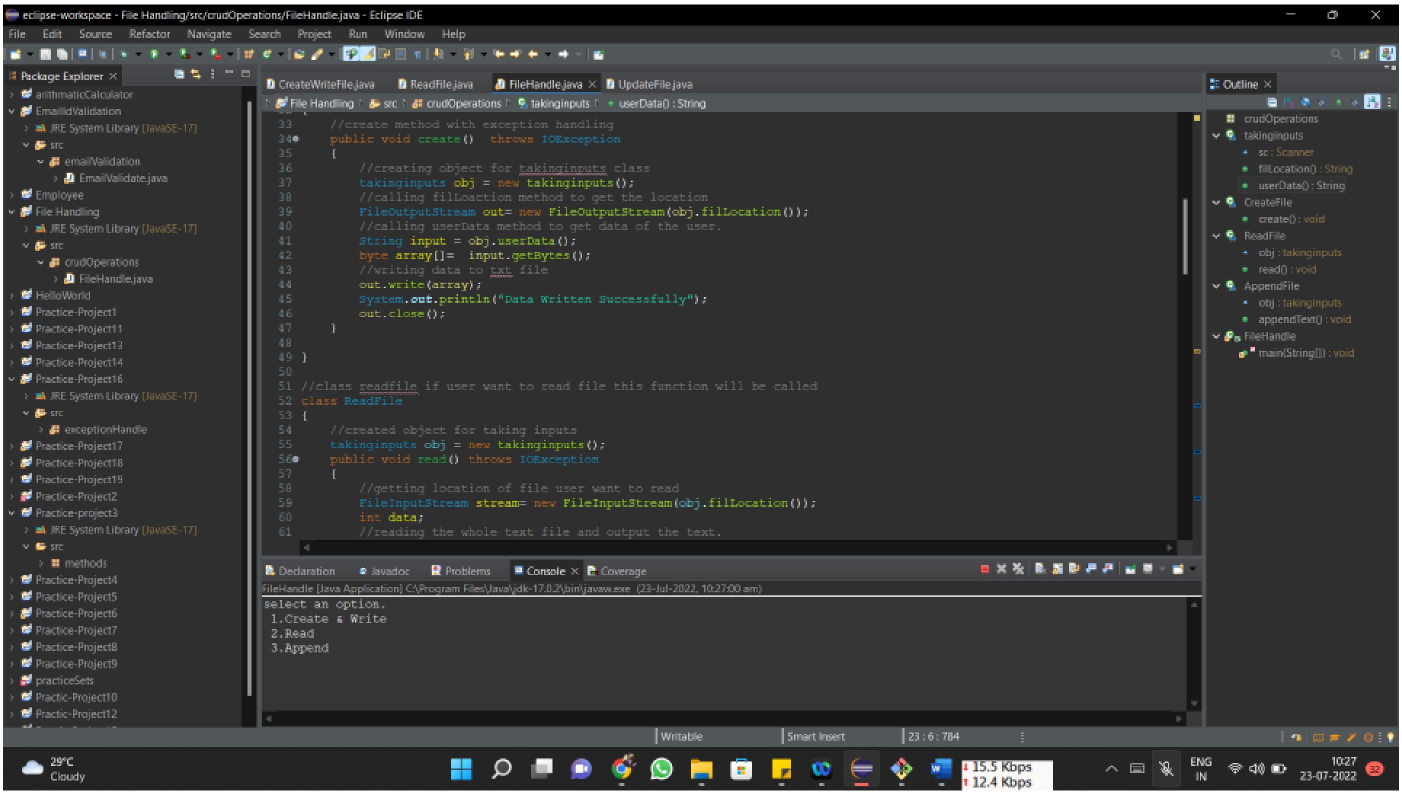
```java
package crudOperations;
import java.io.FileInputStream;

//created class takinginputs to take all the location of file and data for the file from the user
class takinginputs
{
    Scanner sc = new Scanner(System.in);
    //FilLocation return type, method to ask user for location of file for creating
    //new file or if user want to append data to file
    public String filLocation()
    {
        System.out.println("enter complete path of text file. ");
        System.out.println("Eg: - D:\\NewFileName.txt");
        String loc = sc.nextLine();
        return loc;
    }
    //userData return type method, to get the data from the user to append to the file
    public String userData()
    {
        System.out.println("Write Something.");
        String str = sc.nextLine();
        return str;
    }
}

//CreateFile Class to create new text file
class CreateFile
{
    //create method with exception handling
```

FileHandle [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (23-Jul-2022, 10:27:00 am)

```
select an option.
 1.Create & Write
 2.Read
 3.Append
```



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```java
    //create method with exception handling
    public void create()  throws IOException
    {
        //creating object for takinginputs class
        takinginputs obj = new takinginputs();
        //calling filLoaction method to get the location
        FileOutputStream out= new FileOutputStream(obj.filLocation());
        //calling userData method to get data of the user.
        String input = obj.userData();
        byte array[]=  input.getBytes();
        //writing data to txt file
        out.write(array);
        System.out.println("Data Written Successfully");
        out.close();
    }

}

//class readfile if user want to read file this function will be called
class ReadFile
{
    //created object for taking inputs
    takinginputs obj = new takinginputs();
    public void read() throws IOException
    {
        //getting location of file user want to read
        FileInputStream stream= new FileInputStream(obj.filLocation());
        int data;
        //reading the whole text file and output the text.
```

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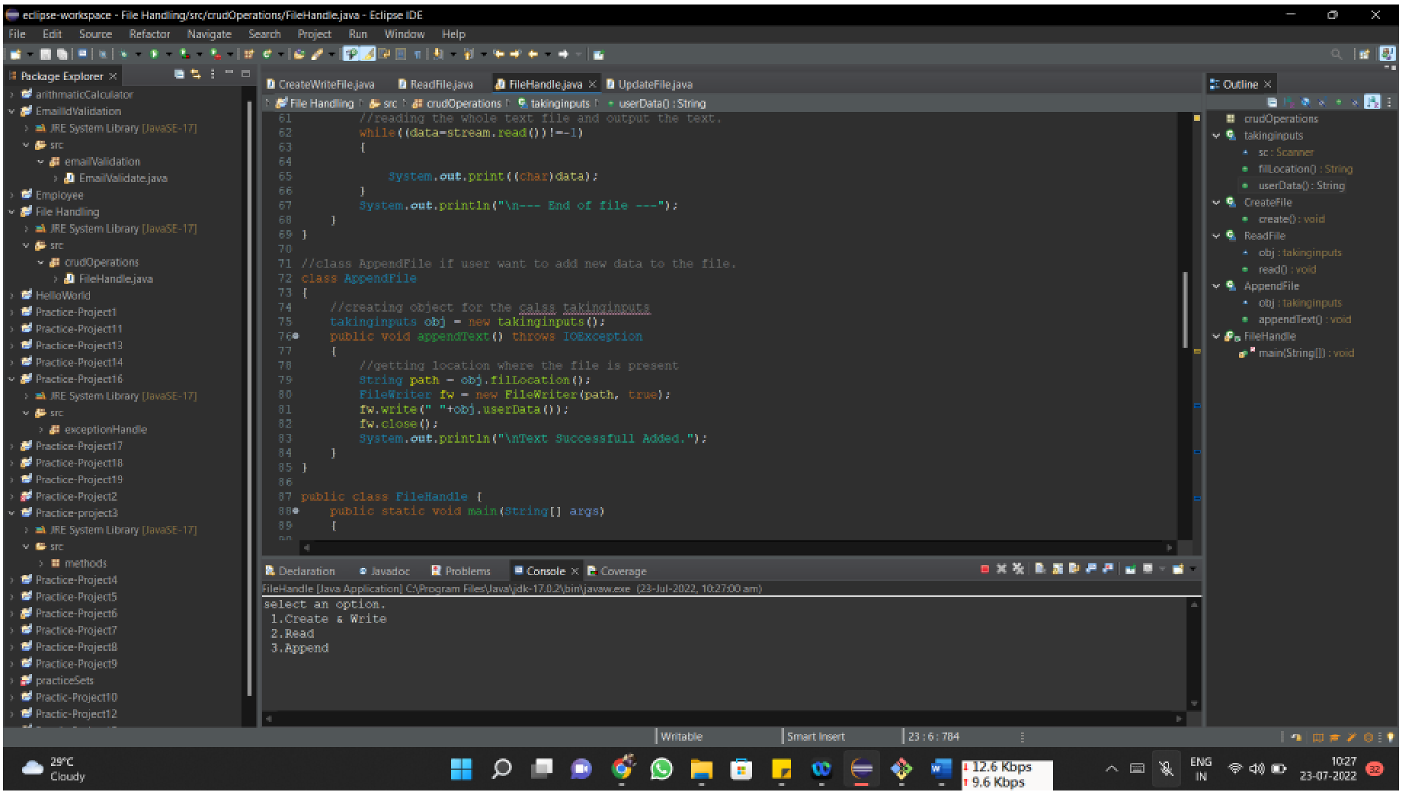

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File Handling > src > crudOperations > takinginputs > userData() : String

```java
        //reading the whole text file and output the text.
        while((data=stream.read())!=-1)
        {

            System.out.print((char)data);
        }
        System.out.println("\n--- End of file ---");
    }
}

//class AppendFile if user want to add new data to the file.
class AppendFile
{
    //creating object for the calss takinginputs
    takinginputs obj = new takinginputs();
    public void appendText() throws IOException
    {
        //getting location where the file is present
        String path = obj.filLocation();
        FileWriter fw = new FileWriter(path, true);
        fw.write(" "+obj.userData());
        fw.close();
        System.out.println("\nText Successfull Added.");
    }
}

public class FileHandle {
    public static void main(String[] args)
    {
```

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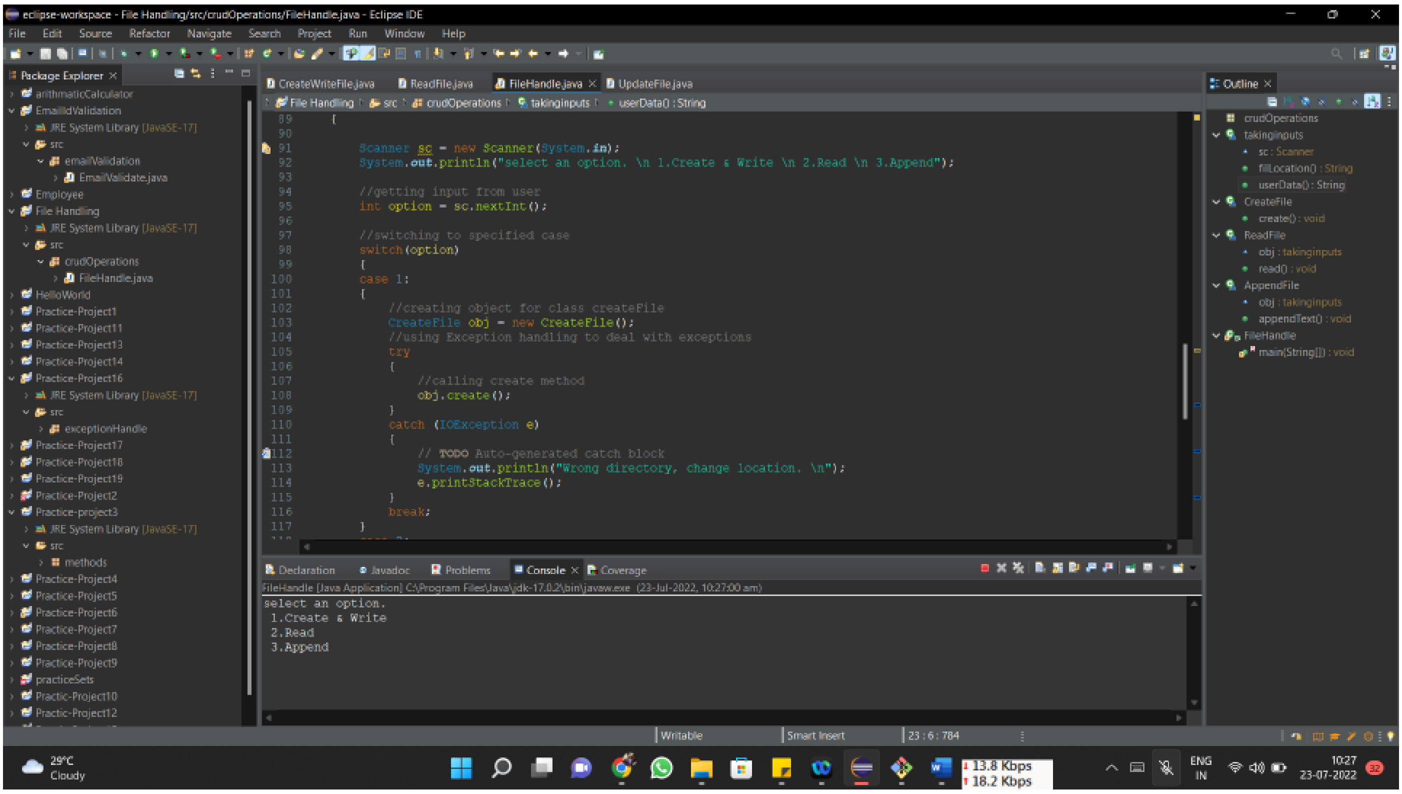

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File Handling > src > crudOperations > takinginputs > userData() : String

```java
    {

        Scanner sc = new Scanner(System.in);
        System.out.println("select an option. \n 1.Create & Write \n 2.Read \n 3.Append");

        //getting input from user
        int option = sc.nextInt();

        //switching to specified case
        switch(option)
        {
        case 1:
        {
            //creating object for class createFile
            CreateFile obj = new CreateFile();
            //using Exception handling to deal with exceptions
            try
            {
                //calling create method
                obj.create();
            }
            catch (IOException e)
            {
                // TODO Auto-generated catch block
                System.out.println("Wrong directory, change location. \n");
                e.printStackTrace();
            }
            break;
        }
```

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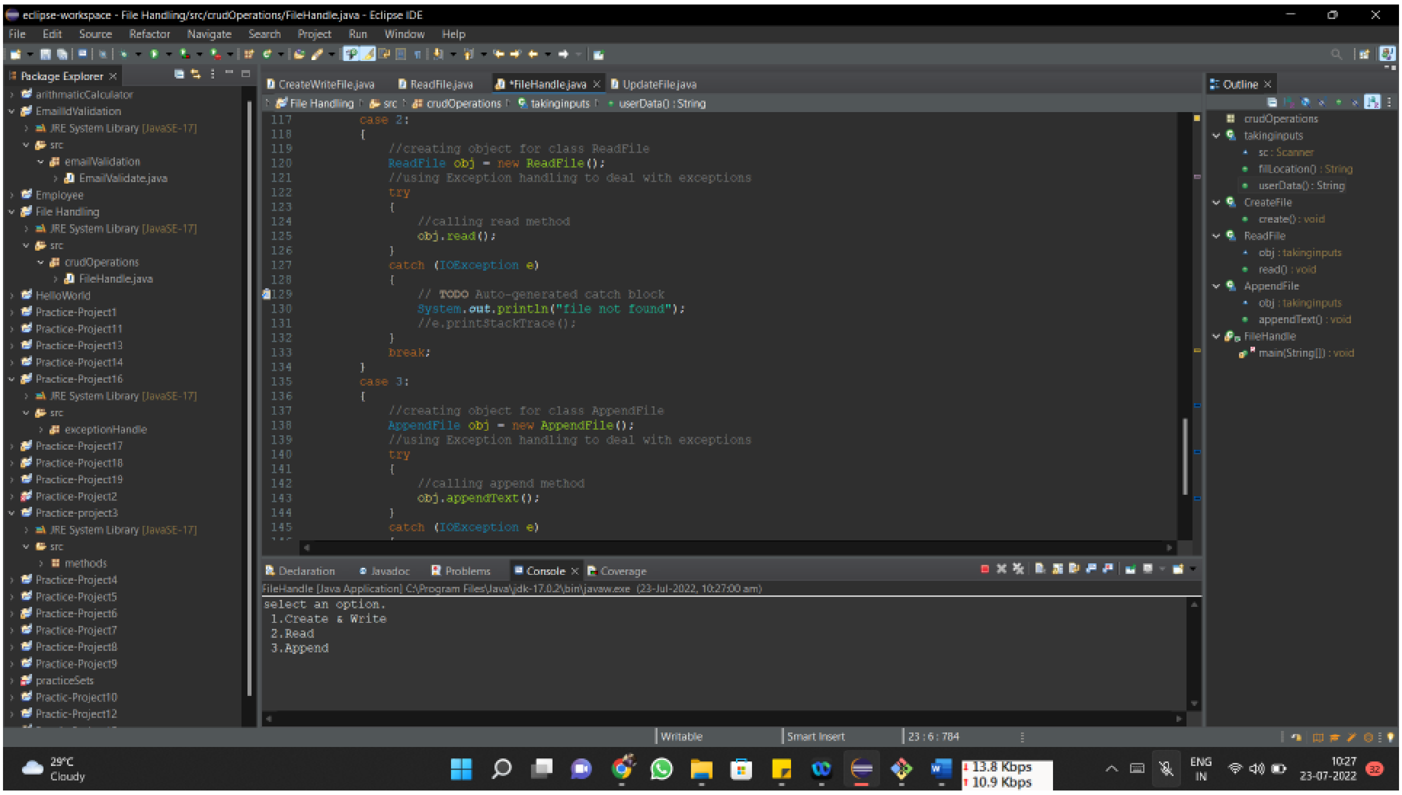

```java
        case 2:
        {
            //creating object for class ReadFile
            ReadFile obj = new ReadFile();
            //using Exception handling to deal with exceptions
            try
            {
                //calling read method
                obj.read();
            }
            catch (IOException e)
            {
                // TODO Auto-generated catch block
                System.out.println("file not found");
                //e.printStackTrace();
            }
            break;
        }
        case 3:
        {
            //creating object for class AppendFile
            AppendFile obj = new AppendFile();
            //using Exception handling to deal with exceptions
            try
            {
                //calling append method
                obj.appendText();
            }
            catch (IOException e)
```

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