Binary File		
Process	**Write**	**Read**
Import File Class Exception to catch any problem	Java.io.File; IN main Line throws IOException	
Create File Object	**File** filename **= new File (**"yourFile.**dat**"**);**	
Create Java Stream Object	**FileOutputStream** outF **=new OutputStream(**filename**);**	**FileInputStream** inF **=new FileInputStream (**filename**);**
	DataOutputStream outData **= new DataOutputStream(**outF **);**	**DataInputStream** inData **= new DataInputStream (**inF**);**
Methods	outData**.write[**data type*]**();** ex: outData**.writeInt(**5**);**	inData **.read[**data type*]**();** ex:**int** x= outData**.readInt();**
• لآزم تحددون نوع الداتا اللي بتكتبونها آو تقرونها .. int , double ,		
Close File	outData**.close();**	inData **.close();**

Text File		
Process	**Write**	**Read**
Import File Class & throws Exception to catch any problem	Java.io.File; IN main Line throws IOException	
Create File Object	**File** filename **= new File (**"yourFile**.text"**);	
Create Java Objects To do process	**FileOutputStream** outF **=new OutputStream(**filename**);**	**FileReader** inF **=new FileReader (**filename**);**
	PrintWriter printToF **= new PrintWriter (**outF **);**	**BufferedReader** BufferedRead **= new BufferedReader (**inF**);**
Methods	printToF **.println(String Type*);** **ex:** printToF**.println(**5**);** ● بيكتبها في الفايل كـ كاركتر printToF**.println(**"Good Luck"**);**	BufferedRead**.readLine();** **ex: String** str **=** BufferedRead**.readLine();** **int** num **= Integer.paseInt(**str**);** ● قرآ الخمسه أول شي كتبته في الفايل لآزم آحوله لآنتجر
	● يحول البيانات قبل مايكتبها في الفايل لنوع String ● يقرا البيانات كـ String فأحتاج أسوي Parsing	
Close File	printToF**.close();**	BufferedRead**.close();**

Scanner Object To Read From Text File

Scanner input **= new Scanner (**yourFileName**);**

Read By Method :

Input.next[data type]();

Ex :

Int num **= input.nextInt();**

String str **= input.next();**

Loop To Read All Data In File :

while(input.hasNext()){ }

Object		
Process	**Write**	**Read**
Import File Class & throws Exception to catch any problem	Java.io.File; IN main Line throws IOException	
Create File Object	**File** filename **= new File (**"yourFile**.data");**	
Create Java Objects To do process	**FileOutputStream** outF **=new OutputStream(**filename**);**	**FileInputStream** inF **=new FileInputStream (**filename**);**
	ObjectOutputStream objOut **= new ObjectOutputStream (**outF **);**	**ObjectInputStream** objIn**= new ObjectInputStream (**inF**);**
Methods	objOut.**writeObject(yourObject);** **ex: MyClass** obj **= new MyClass();** objIn. **writeObject (**obj**);**	objIn.**readObject();** **ex: MyClass** obj **= (MyClass)** objIn.**readObject();**
	• لآزم الآوبجكت اللي بتتعامل معه يكون الكلآس حقه implements Serializable • لما أقرا الأوبجكت لآزم آسوي له Casting • ممكن مايلقى الكلآس اللي محول له الآوبجكت عشان مايوقف البرنآمج ضروري آكتب عند المين throws آو الميثود اللي تتعامل مع الفايل ClassNotFoundException	
Close File	objOut.**close();**	objIn.**close();**

Array		
Process	**Write**	**Read**
Import File Class & throws Exception to catch any problem	Java.io.File; IN main Line throws IOException	
Create File Object	**File** filename **= new File (**"yourFile**.data");**	
Create Java Objects To do process	**FileOutputStream** outF **=new OutputStream(**filename**);**	**FileInputStream** inF **=new FileInputStream (**filename**);**
	ObjectOutputStream objOut **= new ObjectOutputStream (**outF **);**	**ObjectInputStream** objIn**= new ObjectInputStream (**inF**);**
Methods	objOut**.writeObject(arrayName);** **ex: int[]** numbers **= new int[10];** objIn**. writeObject (** numbers **);**	objIn**.readObject();** **ex: int[]** array2 **= (int[])** objIn**.readObject();**
	• لما أقرا الآرري لآزم آسوي لها Casting ممكن مايلقى الكلآس اللي محول له الآرري عشان مايوقف البرنآمج ضروري آكتب عند المين آو الميثود throws **ClassNotFoundException** اللي تتعامل مع الفايل	
Close File	objOut**.close();**	objIn**.close();**

الله يوفقكم – نـزف !