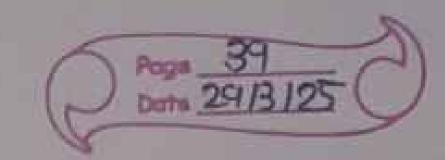
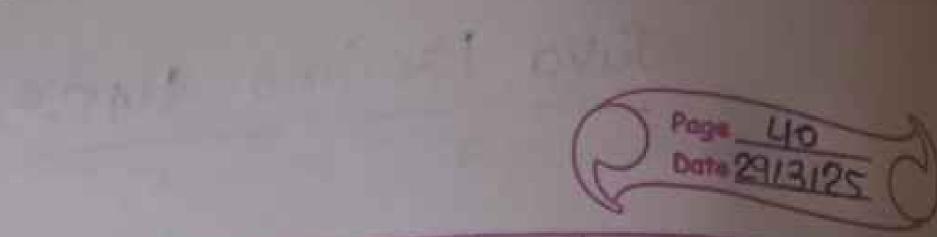
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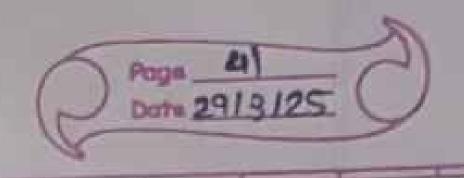


Q-1CA1
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Java Runtime Envisionment
9-1CB)
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• Relational operators • Logical operators • Relational operators • Assignment operators
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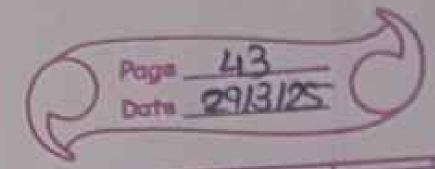
@ Example public class Cms public static void main Cathing still chs c = new (msc5); Public void Cons (int i) Int as THE THE WAY TO BE THE PARTY TO BE System out - post of Entes any number to 9 " 4200); SYSTEM. OLIT. PSIMIT C" YOUR NUMBER IS : "HOT; Onabria :-

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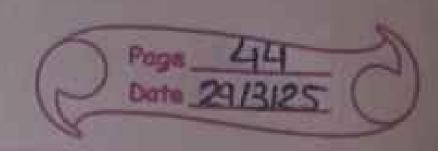


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	Integrated Development Envisonment
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	Q-1CB)
7	An assay of assays whose each element of
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	the outer and the on assay of a
	different size +
	closs Tagged &
	Public Static Void main (Stating SCJ) &
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	foscint 1=0 = 1< asslength = 1+1 =
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	Output 3- 012
	34

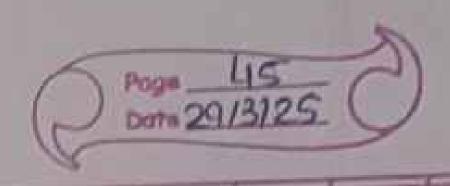
0-1 cg. Static members belong to the class Hisek Non-static members belong to specific obvects of the closs. · public class Test & Static int a = mic); Static int mal() & System.out. pantln ("PMI"); retusn 20; 3 State School of Property Public Static void main (5-19sing 50]) S TENT ME THE THE PARTY TO THE system out pointing value of a: " tal; ELEPT STILL LURING TO PET LEVEL THE REPORT OF THE PARTY OF THE OUMPUH 2- 20 D-2(A) 100 - 5 12 77 7 Jova Jang object class 3. False.



1900 - 19311 Co Q-20B1 I Im Java , Method overriding allows a subclass to possible a specific implementation of a method that is already defined in its suppodoss, endoling nuntime polymosphism and Customized behaviors TO A PERSON AND THE PROPERTY OF THE PARTY OF TO SELECTION OF THE SECRETARY SERVICES SERVICES 0-200 1. Package THE OWN. A namespace that osganizes related classes, interfaces and Sub-packages, promoting coole asgamization, access control, and avoiding naming confict. List of Packages in Java Jana util Package Java lang package Java 10 Packabe Java netwosking Java awt Java SOL Rackage Jove applet Jovel Michin Package Backage.



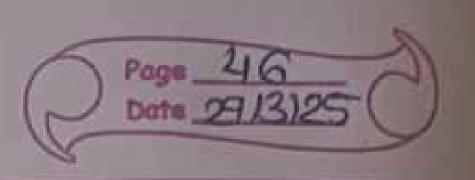
	Java util.
	The Java 21411 C Java 2411) Package corriains a collection frame work TH contains a collection classes, date and
	time, event models, and vasious utility classes util Package in Java is a vessaite utility
	package encompossing numberous closses and Interfaces designed for the verticus advanced programming tasks Util is an abbreviation for "utility"
	vince. Contains the collections framework, some Internationalization Suppost classes a source Loader, prosperties, random number generation. Staing prosing and scanning classes.
	Q=2(A)
	lengthal, chas. Atu, Substainga public Tame
1 ,	D-208) In Java III
	premiptive dated types like that boolean,



enabling their up in object-optioned contexts like collections and sonesics Each paintitle type has a consesponding waappee chas cinteges for Int Boolean for Boolean). III FEVER-18 9-200 THE ISLANDING STREET MELL SPECIAL PORTS Example :en anne de la coltante de la contraction del contraction de la con ESTUDIOR SSELECT COLF PROPERTY LANGE LANGE COLFERNISM Public class weappes Public static void main (Staing SCI) The S of rooms to the same strate of the party of the same of the int q=13 double b = 20D3 chas c= 'k'; boolean d = false; The facility of the second sec Integes e = a; Double f = b= chd981c+00 9 = C; Boolean h = d; Systemout point in c"Int:"+e); System out pam+In ("double:"+fl= Eystemout pointly ("chas="+9);

Systemour Pointmc" Bool: "+h1; 33

Output: - sont : 9



double : 2.0

Bool : flase

Q-3CA1

- I. An error that happens chaing a paragram's execution.
- 2. A unit of execution within 9 program.
 3. often "waappers" for byte streams.

Q-3 (B)

I Java file dass past of the java.io package,
represents a file as directory path-name in
an abstract from allowing you to interect
with the file system.

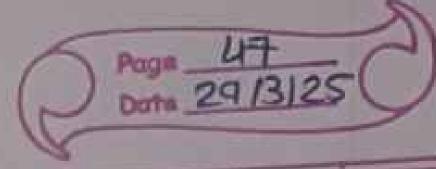
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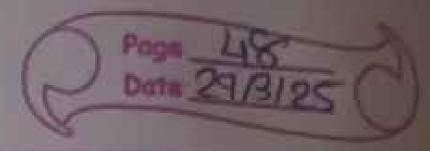
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9-300

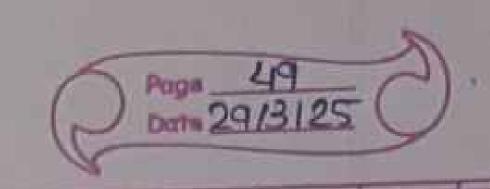
File waited is a class tos



Example Impost Java io . . . 3 public class FW public static void maint staining sca) tay \$ File f = new file ('C: // worke tot'); Filewaites fw = new Filewaites of); waites waite ('This is waites'); wsites. Aush (1: System out pointm ("Dana Insented"); couch (Execption e) & The state of the e point Stack Todae (1); y the seal of the seal that 3 - a later and by a later to the later than the STREET, STREET DUMPUH :-Insented DOTO



	Done 29/3125 ()
	Q-3 CA)
7- 1.	Byte Steen dease used to postosm input and
1	output at 8-bit bytes.
2	gerpainsity (), gerstackTace(), gerstack()
3.	Imi, Java, javadoc
	Q-3CB)
	* NullPointes Exception *Filenot found exception
_	* Nosuch Field Exception
	· clossivat found Exception : Nosuch Method Exception
-	*Interrupted Exception "InstabilionException
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	Public exatic 1
	Public static void main (staing ss) >
1-	
	That length = S. length(15 1'
	System.out.pointln.clength); yzy
	OUMPUT: - FIRE NULLPOINTES EXEPTION.
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	9-300
1.	File Rogolas
7	text Da dage Da
Y	Java tie



Example

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Public class file reades &

Public static void main (Staing 5(1) &

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THE PARTY BUILDING THE PARTY BUILDING THE

File Readles FR = new File Readles ('C:

// Read tx + 1');

int is

while (1: +9, Read (1) != -1)

The East South State of the Sta

System out paint (cchaoli);

3 Property of the second secon

FR.close();

y

cotch (Exception e)

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e. paint stack trace ();

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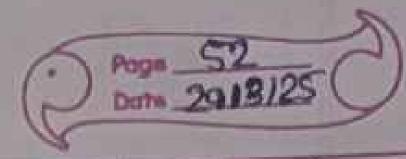
1 41 61 Q-4CAI pracle Cosposation. Javarx application. Application. Rich Internet application. PERSONAL BEST DIDINE - THEFT Q-4(B) The colos class is used to encapsulate abose the default sRGB coloss space. · Every colors has an implicit alpha value of 1.0 on explicit one provided in the Congaguetos - The alpha value defines the teanspasency of a colog and can be repose sensed. by a double value in the Range 0.0-1.0

2-400

Javafx is a Java API for creating and delivering desktop mabble and embedded applications with nich uses interfaces, inhuilt mutimedia suppost and 20/30 sapplies capabilities all while leveraging the paves of Java.

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Famusies - Rich UI Contsols · Jang Ex Provides a wide variety of UI controls chuttons, tables, sidess; letc.) for building interactive applications. 3 (- 3 - CSS Styling THE THE PARTY OF T . You can customize the appearance of your application using casicading style sheets CESS) N. SIEDE SEVE SEEDED CONT. Transport Cont. AND THE DESIGNATION WAS TRANSFER · Javafx uses FXML a declarative maskup languages to define the VI Stauches and Components. THE THE PARTY OF T -> Secone Buildes THE PARK HARDON STRONG AS ASSESSED FOR · Jovet & offess a visual layout tool, sænce Buildes for designing UIS without waiting code = 2D and 3D 9 Baphics

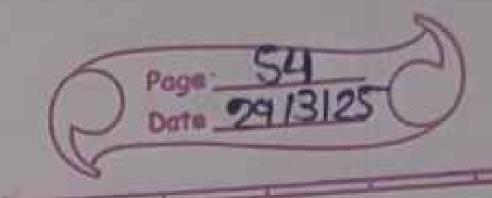
· Jounte Supposis both 20 and 30 899phics

too (seating visually rich applications

Q-4(A) inito, Stagto, Stopu Javafx is a softwase Plantos and APT for Geoting and deploying rich client applications. uses muestage. The state of the s Q-4(B) The Javafx allows the uses to deaw the following shapes : Predefined shapes like line, rectangle, ellipse, c'iscle, cubic Cuave, etc. Path elements like 9 horizontal line, ventical line, quadratic cuave etc. . it also allows the uses to doow a 120 shape by passing the SVG Path. Friedrich G. Inder Frein - Marin P. Q-4CO I. A JavaFX application Stauchae revolves asound. the Jovafx platform, willishing a seene agoph to represent the VI and is contexted by the application class

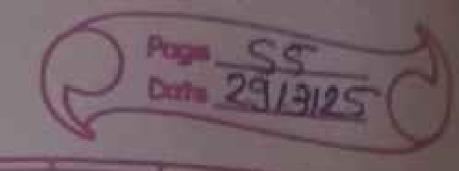
which manages the application lifecycle and

invokes the stasta method, "



-	Hese's a mose detailed breakdown:
	Javatx Platfosm:
	The foundation of a thrafx application, it manages the application's lifecycle, including building the application's lifecycle,
	Thead
7	Application class:
	. You extend the javaFX Application dass to coeate your application
*	Scence Geogh :
	·This is a hierarchical take of modes that repassents the visual elements of your application.
	The state of the s
7	9109e
	Nodes .
7 5	
	Javafx scence Buildes Java API Integration

Property.



2-5(A)

- I. java nwt
- 2. 54ast()
- 3. Set-SceneU

0-5(B)

I sides is a VI control consisting of a track and a thumb along with other optional elements like tick masks and tick labels.

9-500

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	Value vig-	"we can add
-	P200001-1	Value og item
		Via posopoosty "
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of items

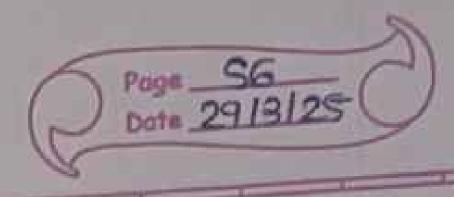
"Drop down with a

text field

- we can chedre

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Combobox



	• Multiple items can be selected can be selected at a time
	Tacks up mose Space on the less space.
	Can Scoroll thosough long lists Solect from the list.
	Q=ScA) The leavest State of St
1.	Jovafx. Scene
3.	Label () Label (String text), & Label (String text, node Baphic)
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	perompt text to the uses when there is no text already in the Text ased ceithes via the uses, os set possessammatically).
	This is a usoful way of informing the uson as to what is expected in the text open, without having to reason to tookips or on scarcen libels.

- Marian	Read waite hobby	- Check Box is us tack	choise of mysest	cherk the wante by	checkBox	9-5 cc)
	Example :- Male Remail	useful « Radio Button is use ful ful fog tack single option fog	Fos Radio Button use fos many option is that	Radio Button tage Chertz it	Radio Button	