4 write a pragram to overload the method print that prints sum of or natural number when one variable is passed, and prints the prime nember in a given vonge when I parameteres class Overload & vaid print (int n) } far ("nt "=1; " <=n; "++)} system. out. printle (" sum of "+n+" natural raid print (int m, int n) f system. aut. println ("Porine number in the for (inti= m; " (= n; "++) { int flag = 0; for (int j=2; j <= 1/2; j++ if ( : 4. j = = 0) } public static noid main (string[] ang) }

dill.	PACE NO.
	0. print (s)",
	0. print (1,13);
	7
	}
	OUT PUT: 8um of 5 natural number is 15
	prime number in the storge are
	7
	t1
	13
-	The program to create a class
	> Write a Jana program to create a class
	Grocery that has the variable c-name and
	C-phone Create a method to accept 3 para-
	- meters to specify quantity of dal, quantity
	of pulses and quantity of sugar. The
	the name phono and total bill of 3 customers.
	the name, phono and total all of substitutions
	class Cronococy f
	string c-name;
	Atring (- ph;
	dauble total;
	Growing (oring chame, string (-ph) of
	Inis . C. name = c_name
	mis. c-ph = c-ph
	V
7.74	vaid calc (dauble q-dal, dauble q-pulses,
	danse q-sque) &
	10 tal: q-dal 100 +q-plees 80 + q-sigar 50;
	7
	void dis play ()
	3 4.70
1600	

system . ac	to println ("Name " +"	"+" phone number "+
	" " + " Total");	
5	sint ln (c-name + "	"+ C-ph +" "+ total)
system and	print ln ()	
3		
ን		
class by Den	0 {	
	slicktatic void main	
Grocery	g1 = new grocery (	"Rama", "8060302010")
Gracery	g 2 = new grocery ("	Shanma", " 768 9632510"
Crocorn 9	3 = new grocery (" B	hama"," 9632587412")
- 0 0	10/2211.0	
	alc (2,2,1);	No.
	is play ();	
	alc (3,5,2);	
92.	lis play ();	empeli i d
a3.	calc (1,1,0.3);	The state of the s
03.	display ()",	
7	, 0	175 S - 1 S - 1
1		
1	The state of	
		100
OUTPUT:		
		Tatal
Name	phone humber	
Rama	8060302010	410.0
- Carre		4
	phase number	Tatal
Name	7689632510	800.0
shama	760	All the second second
		Tatal
Dhave &	phone nember	205.0
Name	0632887412	TO STATE OF THE ST
Bhoma	TO THE WASTE	
- 100 A	THE STATE OF THE S	STATE OF THE STATE OF
A STATE OF THE STA	27	State .

3.	Write a Java program to calculate troats of
	a quadratic equation. Use appropriate
1000	methods to take input and cochelate the roa
->	import java. util. Scanner;
	class Quad f
	int a, b, c;
	double rout 1 xout 2, d,
	Scanner s = new scanner (system in);
	1 / / 5
	vaid input () & system ("quadratic equation is
	in me farm : ax^2+bx+c^);
100	in the farm a tall the a:"):
	System. and print ("enter a:");
	a = s. neut (nt ();
	system out print ("Enter 6:");
	b= serentlist ();
	System. out. print (" En key (:")")
	(= suntlint();
	7
	void discriminant () {
	d = (b b) - (4 a c);
	r
3.54	void calculate Rooks () {
	1) (420)
	5
	system- out- printly ( " Room to are real 4 uneque
	700011 = (-b+ Math. sqfrt (d))/(2"a);
	8001 2 = (-6- Kath squt (d))/(2 a)
	8007 - (5) Rary (8) / (2 5) - (1) (-
	System au - println ("First roat is front);
1	system and privaler (" second road in" + roat)
1	J ASIA
-	NY IS
34	else if (d==0)
- 0	\$
-	

	syntem.out. println ("Roats are oreal &
	equal");
	Draat 1 = (-b+ Math. squt(a))/(2-a);
	system. out. println ("Roat:" + roat 1)",
	3
	else
	S
	tystem . cent. println ("No veral salution. Roats
	are imaginary ")",
	tauble real = - 5/(2 a),
	double maginary = Math. sgrt (-d) (12 a)
0	· lem out minten
	a blow grants: + 8 cal + + + 1
	" and " + real + " - " + 9 mayinary + " i")"
	Z.
	3 %
Ty.	1
Bir.	Class Main of  Diblic static void main (string [] args);  Quad q = new Quad ();
	public static void main ( sind
	Quad q = new quad 1,
	q · input ()
Ser Vill	disconingent ()
	q. calculate Roats ();
	2
W. C.	2
Ten di	
4.5	Control of the second s

	Lab -2 Conte la la
31 01	member i name, authors, price & rum-pages.
	Include a constructor to set elle value for me members, Include methods to
	wet and get the octails of the object
	tholists a tostring () method that could display the complete detail of the book.
	Denielop a Jana program to create in book abject.
	21x 12\2 - 1   x
-	-> impart Java. util. Scanner ;
	Class books
	string name;
	Int price;
	Int numpage;
	Boak () {}
	Books (shing name, shing author, int pr
	int num Pages)
	This . name = name;
	This . price = price .
72.16	This . rempages : rum pages;
	Bullio obino h mi
	public string to string ()
	name: " Book name" + this name + "In
1	author = " Author name" + this, author + "In

```
price = "Price" + this optice + " In"
numbage = " number of pages " + Missum Pages +" (n';
wetern name + cultions + prico + numbage;
class Main
public static usid main (string arys [])
Deanney S = new scanney ( system . in ) .
string hame;
dys hm. and. printen (" Enter the number of books"),
n = s. nend Int ();
Books bl]
 b= new Boarks [n];
far (int i = 0; in; i++)
 uystem. aut. println ("Boak" + (i+1) + ":");
 esystem. out. printer (" tutu author :
 author = so ment 1);
 system. out . prindle ( " Enter price: ");
 price = so next Int ();
 system. aut. print en l'Enter no. of pages
 humpage = So neut Tut ();
```

3.	h[i] = new books hame, outhou
	b[i] = new boats (name, author, price compage
	fan (int 9=0; icn; i++)
	fan (int 1=0; ' <n; ("boak"+="" (ih)+":<="" i+1)="" out.="" println="" system.="" th=""></n;>
	1 CO 71 .
	0 5111)
	12-1
	13
	OUT PUT:
	Enter the number of book: 2
	Book 1:
700	Enter the name of the book i Jungle- Bree
	Enter the author of the book . Rudgard - Kell
	Enter the number of pages of the back : 100
	Enter me price of me book: 1200
	8
	Boak 2:
100	Enter the name of the book : Frankenskin
	Enter the teams of the book : Mary snelly
	Enter me price of the peak: 723
	Enter the number of pages of the book : 1500
	* * * * * * * * * * * * * * * * * * * *
	Books:
	Book name : Jong, Bouk
	author : Rudyard - Ripling
	Price: 1200
	number of pages: 5000
	1,0
	Book 2 " Frankonskin
	Book rosse: Bany stacky Frankenseen
	curran: Many therey
	price: 423
100	romber of pages: 1500
L. Control	

PAL	white a Jana program to create a class
1	shedent with memberis OSN, name, marches
	(6 subjects). Include method to acepts
	student details and marks, Also include
	a method to calculate the percentage
	and display oppropriate details.
	(Array of student abject to be created).
->	Impart jana. util - scanner
	closs students
	shing ven;
	bring Name;
	Int [] marks = new Int [6];
	void accept Netwik () {
	Scanner scanner = new scanner (system . 90);
	System. aut. print ("Enter UEN"); USN = Scanner. nent ();
100	System. out. print ("Enter Name");
-	name = scanner . neut();
	System. out. printler ("Enter marks for 6 subject");
	far ( int 9=0; 9<6; 9++)}
	System. and. print ("Subject"+ (in) + ":"));
4	marks [i] = scarner neut (nt ();
	9
_	)
1	danble calculate parentuge () of
	ant total Marches = 0°,
	for ( sul- mark : marches) (
	total way but = marks "

	CVAE
	1 1 lest monocks : to
	for (Int marks ) 6; vulum (double) total marks ) 6;
	3 was a retuil to () f
	bystem. and print In (" Name" + name).
1 -	haben coul printle ( peranty
	calemente percentige () + 117-1);
	3
- 788	public dans should bet ?
	Dublic Static void main (obing [] ery)
_	Scanner thew Scanner System.
	obystem. and prind (" gutor me number of student"
	Ent nomstudents = s canner enert Int ();
	Student [] smoont = new o tudent [num student]
	for ( lut i = 0; ic nometudents; i++);
	Student [i] = new students ();  Oystern. vert. print en ("In Enter d'etail
	for student " + (1+1) + "1:11);
11-11	2 sholens Lid accept octails ();
	ten ( "In Detrile of all shills
	Comment & Muchant & Attack 16 15
	ordent toplan schill
	3 System out printen ();
	2 23 01 2
	1
1501	

13	Douelop a Java Preagram to create an abstract
	dass named shaped that contains two integers
and the same of th	and an empty method named printArea ().
	provide thru classes named Rectangle, Triangle
The second secon	and circle such that each one of the
	classes entendes the class is hope. Even one
	No
	that prints the area of the given shape.
*	abstract class shape {
	prokehed int dimension!;
	proketed int dimension 2;
1 - N - 1	public shape (int dimension), "at dimension)
	& this dimension 1 = dimension 1;
	his discussion discussion in
	this . dimension 2 : dimension 2 .
	public abstract unid print Area ();
	class Rectangle entends shapes
	public Rectangle (int length, int width) {
	The state of the s
	Z super (lingth, wiath);
	C averside
	public void printArea()
	ant areas dimension 1 + dimension 2;
	system , aut. print In ("Reclongle Area:" + area);
	1 7
	Clarity C
	class Treangle entends olaps &
	public triangle (int base, Ind height) ?
	super base, height);
	1 3

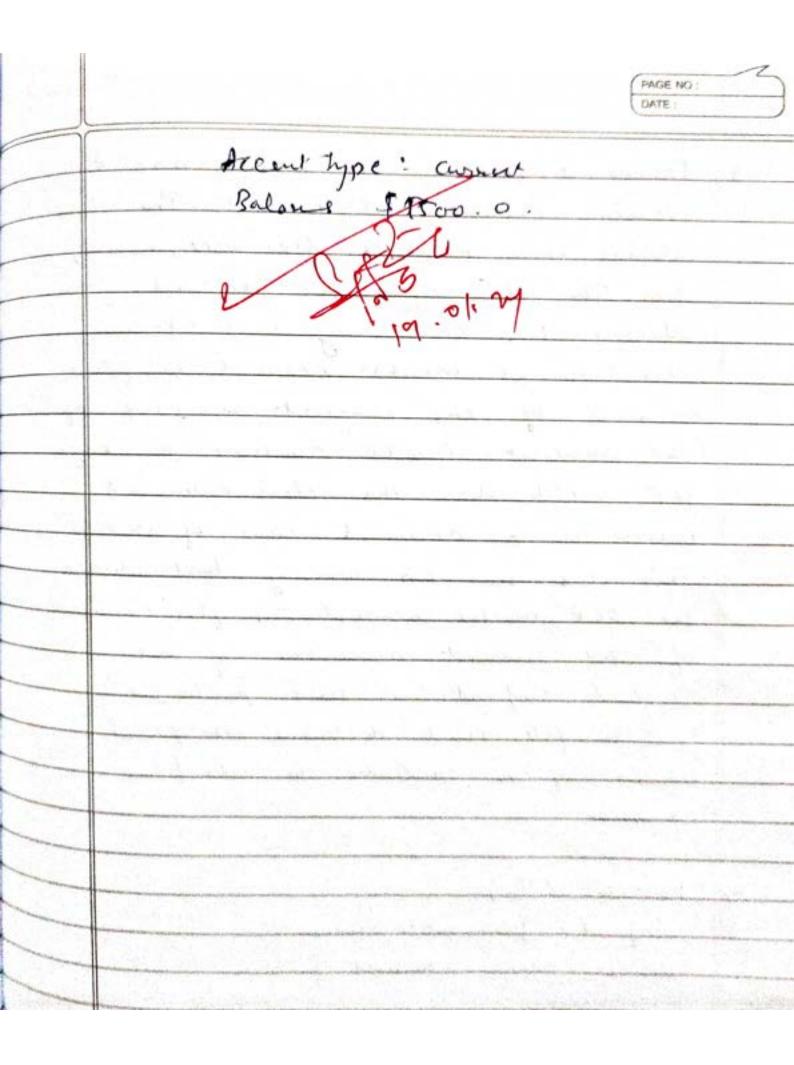
	OMIE
	@ onevide
	ed DrinkAreal
	carble area: 0.5 "demension! "dis
	system a contep since
	2 %
	class circle entered shape {
	whice circle the
	super (sadius, o);
	3
9.5	public void print Area () }
1	dauble area - Mather denember + dim
	System and print de (" Circle Area " 1 as
	74
	У
	public class Main of
	public static unid main (string[] a
	Dectangle & returgle = new rectangle (5)
7.1.	circle circle = new circle (4)
	& cetangle . print Area ();
	triungle · print Area ();
	circle . print Area ().
A CONTRACTOR	3
- 1111	1
	OUTPUT:
1000	Rectange Area: 50 Thiangle Area: 24
	Circle Area: 50.24

Develop a Jova program to vecate a class Bank that maintain hus kinds of accoun "its customers, account and mathen The sowing account provides interest and with crawal facility cheque book facility. The coverest provides cheque book facility interest & Current should also merintum a balance and of the balance falls helaw this level, a resuice charge is imposed bright a class Account that stovers curpomen have, accuse number and type of accust and so - acct to make them to their inequiments include a) Accepts deposin from customer and up date he balance e) compute and Check for my minimum balance, impasse penalty if necessary and update - inpart jana outil scanner class Account of

	Contract of the contract of th
	protected string untomerNome
	protected long account Nome;
-	protected string account Type;
	proketed double balance;
7	process
	public Account (string Customer Name, long
	purchase shine according
	account tember , string account type , doubts
_	balane) s
	this customer Nove = untomerNume
	His actain Number = account Number,
	his account Type = account Type;
	this balance - balance;
	3
	public void display Balance () of
	system and printly ("Account Number:" + account
	system east printer (" Customer Name" + customes.
-1	system and println (" Accord Type " + around lyce
_	
_	2 myster - and - print by ("Balance:" + balance);
_	2 1/2 dol
-	public void déposit (double amount)
	balance += amand;
	System and printers ('Departe of 5" + amand 1"
	Sulcessful ." );
	displayBalones 1);
_	3
-	public void with draw (double amusi)
-	1 (amand 5 - balane)
-	balance - = gmans "
	System and prister (" windrawal of
	mare 1 " successfue");
	genes "
	3 my man priven l'mafficient full
	3
	The state of the s

display Balane(); class curracet entends Accents of private double minimumbalance = 1000, prinate double service charge = 500, public current (oling customer warne flong accome Number, devible palone) { · where ( cus tomes Name, account Name, public vaid withdraw (double amount) balane -= amont system-aus print en ("ligt that was wal of \$ 1 + amount + · and · print In (" mary went for d display balane (); c void campute Interest () } balana 't = pinterest

10	PAGE NO.
3.	system out printly ("Interest of 1" + "homes.
	aisplay Balanel);
	7
	3
->	public class Two of
	audic com a land
	Leave to Se march - here ( Spring)
	to and squire account the factor
	(" John Sae", 123456789, 6000);
	sowing Account. display Baland);
	Daving Accord. Acpaint (1000).
100	Saving Accent . (any with Tribuss ();
	daring Account a with closure (2000),
	auntet current Accord = new courted ( In:
	De", 98765 + 321, 1500)
1	current Account . dis play Balane ();
	Current . deposit (5000);
	current e mistodora (2000);
13	C. 1.12
	Scannor clase(),
	2
	OUTPUT: customer Name: Jahn soe
	Account type : soutry
	Balone . \$ 6300.0
100	withcheneal of \$ 2000 is
	Accus Number 12345678 9
1	Accor Type: Saving
	Balang . 19300-0
	Acem Timber. 987654161
	Cylone wen: Jane Doe
	The state of the s



		Ditte Control of the
3	*	Create a pakage CIE which has to
		classes - student and internals. The
1		
-1		Sem. The class internals derived
		student has an array that stores
		the inturned marks scared in fine
		courses of the coverent somestic
-		Canada anather
		the shelent. Create another pecaker
		SEE which has the class enturned
		energe is a devilued class of student
		This class has an arrang that store
		the SEE marks scared in fine course
		of the current semester of the
		should import ne two package
		in a file that declares he final
		marks of a students in all fine
1		courses.
	->	Paragh (IE;
		import java-unl. scanner;
		public class a tudent of
		Protected string usn = new string ();
		protected string name = new string 1)
		proketed int san;
		211.
		public world input student ochi la 1) 5
		Scanner S = new scanner ( cysus in)
		Syphing. and printly ( give 150)
		Ka/2 Seven line ();
		system ord primen (" give name")
		name = so hent line ();

	(PAGE NO: DATE)
	gen - Somewilling ("give sem");
	gem = Somewithing );
	3
	public void display student be trule () \$
	osystem. aut. printle ("The ven is; ", vso);
	esystem and priviles (" The name is :", many;
	system. cus. printler (" the sun "s:", sem);
_	3
	Package CIE;
	import java, util. Scanner;
	prohetel fur rocks (] = new int [57;
	public vois Enput (CIE marks () }
	Scanner S = new Scanner ( Eystern . In )
	lan ("at "= a: "KS: 1+1) {
	System and printle ("Enter marks for
	(aunoc "+ (in) + ":");
	marks (i] = sineus The ();
112	7.
	3
_	parkage SEE;
	import CIE - Tuturals;
	impart jana. util. Scanner;
	public dans Entenals entends
	protected int mants (1)
-	protected and final marks (7)
	potration
	3
	public entrads () f
-	public

	The second secon
35	marks - new Sid [5];
	final marks = new int [5];
	3
	public waid input SEE marker ()
	Scanners S= new Scanner ( myster:
	1-1:1-1:0
	stycken out printle ("tubject" - (1+1)
	marks [i] = Somet (nt (),
	3
	· · · · · · · · · · · · · · · · · · ·
	questic vaid cale- Gindlenerbs () {
	Los (i=0; iss)
	final marks [i] = marks [i] + super ma
	2
1	
	bakage SEE;
	public class Euternals extends internals
	public Enternals;
	pustic class main f
	public state võis main (string ey)
	for (i=0; is nom of soudent ; 911) 1
1	final Marks (i) - new Euternals ();
1	final Marss[i] = new Entrops();
	final textes (i) input at machs ()
	3
	system au goulle ("strolan data")
1	for (inti-o; is sem of shelest ; ittl
	finels marks [7] . calc. Finelmerke It
	Y
	7
	Company of the second s

N	white a pragram that demonstrates handing
4	of enceptions in inhoritano tree creek
	a base class called "Father" and derond
	class called "son" cutich sextends me hars
	class. In Pather class, implement a constructor
	which take the age and mous me cutepion
	whong Age () when me Tuput age 50. In son
	class, implement a constructor that cases
	born father & son's age and thrown an
	enteption if son's age is > = father's age.
-	class Pather (
	private int age
	public Father ("int age) throws ulrong Age
	Euception (
	if (age < 0) {
	turow new Woong Age Enception ("Age can't be
	negative ")"
	4
	tuis . age = age;
	3
	public int get Age () f
	vieture age;
	3
	}
	class wrong Age Exception ewends Exception &
	public Wrong Age Exception (Odding merrage) of
	super (message);
	1
	1
	class son entends father of
	primate int on Age;
Mala in	

1 3/8	Cout Attur Age , but son Age
	public son (int father Age, int son Age  wrong Age sucception, son Age sucception)
	- I L of Make Land
	es some fact
	" was new
	con't be greater fatures age
	1
-	the songe = an Age;
-	b
	public int getson Age () f
	veekun son Agef
1.173	\$
	}
	class confige exceptions entends Enceptions
	muhlic son Age Exception
	super (message)"
	3
	3
	public clay Main &
	public what c void main ( string [ ) ay
	try f
	father future = new Father (45);  Mystern and printle   "Father's age"
	hysten out printing to
	tarus get Age ());
	Son son = new son (45,20);
	chy tun and printle ("son's uge"+)
8 TE T	getsoudge (1);
	y son the Eucoperone de
	myshur und print la ("Errer" + excellent
	2

01	aleite a program which creates two thresols
	one twee of displaying "Bris callege of Engineering"
	once every ten second to anomer diplaying
	"Est" one every two seconds.
	d
4	class DisplayThread enterels Thread of
	private string musage;
	private internal;
	public Display Thread (string message, int internal)
	this menage = message;
	mis "internal" internal;
	1
	@ overvide
	public void oun () f
	while (true) of
	tru S
	system aut. println (message);
	Thread - sleep ( Enternal);
	3
	Catch ( In terrupted Enception e) of
	e. pand shark Trace ();
	<u> </u>
	)
	y
	}
	public class thain & main (aring (1 arg))
	public States void main (ahing (1 ang))
	II DAY A CAA CAA
	tureael fur
	To al Car
	threat 1 - start ()
	The state of the s

	PAGE NO STAND
twread ? . Stout () ",	
output: CSE  BMS callage of Eng.	
CSE SING OF	
CS E	
BMS Callage of Ergg	_
CS E	
C3 E	
CS E	_
ens only of engl	
NV.	
Com m	
7600	
/*	
0.000	
A S. Thomas and a place of the control of	
	_
	/
TEN TO A STATE OF THE PARTY OF	—
The second secon	

10	Creating label, Dullon & Jent liels in a
	Creating label, button & Jentfield in a Frame using AWT.
_	imparet Java. aut. ";
	impart Java . aut . cuent . ";
	public class AWT Example entends
	Window Adapter &
	Frame for
	AWTExample () &
_	f = new Frame ();
	f = adduindow Listener (this).
	label l = new label (" Employee "d:");
	button b = new Button (" submit");
	Tent field + = new Tent Field ();
	l. suBaunds (20, 80, 80, 30);
	t. set Bands (20, 100, 80, 30)",
-	b. Act Bounds (100, 100, 80, 30);
	f. add (b);
	fo add (t):
	f. add ( t);
	f. set (ite (" Employee "nfo");
No.	
	f. set Layout (mull);
1	fo set nisible (me);
-	public void windows classing (window Event e)
	system. eni + (0);

1	100	(-48)
		public static void main (string[] ary
3		public State and obj = new AWTEramphel
+		,
1		1
		cusate a button and add a action
1	2.	cueste a button core
1		listener fur Moure click.
		· · · · · · ·
1	-5	inpart jano and anout . ;
		2 11 2 11 11 11 11
		windowAdapter Explements Action listeners
		Frame +;
		Tentfield +f;
		e then 11°m () S
		Event Handling () of
		f = new Frame ();
1		to addwindowlisterner (this);
		t f = new Tent freed ();
		tf. set Bounds (60, 50, 170, 20);
		Button b = new Button (" click me"),
		b. set Runds (100,120, 80,30);
		5. add Action listener (Mis);
		f. add (5); f. add (4f);
		f. sel size (900, 300);
		f. setlayout (null);
		f. set vigeble ( true);
		9
		public void action Perfor med (Action Exect)
		tt. Bel Tent ("welcom").
		1
2		The state of the s

public void mindow classing (mindow event c);  3  public static word main (arring angel]);  new Event transling();  1.  Example 2.  Public class Ey to Array Input;  byte [] buf : {32, 36, 37, 37};  Byte Array input stream byte new Eyte Array  - input stream (buf);  int K = 0;  while [ N = byte word () ) !=-1 ) f  chan an - (chan) is;  typion and pointen ("Ascer water of  chancetor is " + x + "; opened choose ten is " teh  2. Sprample 2.  public class FileEx f  quality of table wind main (a bring of ])  throws 108 telephion for some file Input a brown  Elle Input abream for = new file Input a brown		COATE:
public static word main (arring angal]);  In Suample 1.  In Example 1.  Impart Jana. io. +;  public atatic word main (15mg [] ang)  twoms 10 Eucephism f  byte [] buf 135, 36, 37, 38];  Byte Arroy inpurstream byt = new ByteArroy  - Input diream (buf);  int x = 0;  while ( 1 = byt - nead ( ) )!=-1) f  chan ch = (chan) x;  tystem and printle ("Ascu value of character is "tch  3  2. Spearple 2.  public class filets f  public class filets f  public static vaid main (string af])  twoms 10 Exception f  File Input a tream fin = new file Input atream	_	public void window classing (w)
public static word main (arring angal]);  In Suample 1.  In Example 1.  Impart Jana. io. +;  public atatic word main (15mg [] ang)  twoms 10 Eucephism f  byte [] buf 135, 36, 37, 38];  Byte Arroy inpurstream byt = new ByteArroy  - Input diream (buf);  int x = 0;  while ( 1 = byt - nead ( ) )!=-1) f  chan ch = (chan) x;  tystem and printle ("Ascu value of character is "tch  3  2. Spearple 2.  public class filets f  public class filets f  public static vaid main (string af])  twoms 10 Exception f  File Input a tream fin = new file Input atream	_	enysterne cout (0)
In Example 1.  Inspert Jana. io. *;  public class By the Array Input of  public class (buf);  int x = 0;  chance the contract (buf);  int x = 0;  chance chance (buf);  chance the contract (buf);  public class file Ex of  publi	_	4
In Example 1.  Impart Jana. io. *;  public class By the Array Input of  public abolic world main (1 hing [] ang)  twoms 10 Exception of  byte [] buf * {35, 36, 37, 38};  Byte Array input stream byt = new Byte Array  - Tryput stream (buf);  int x = 0;  while (N= byt-nead ())!=-1) of  chan ch = (chan) in;  tystom and printlen ("Ascer value of  chancetor is "+x+"; special chancetor is "+ch  3  2. Sprample 2.  public class file Ex of  public class file Ex of  public street in a main (a hing all)  twoms 10 Exception of  Eile Japut a bream fin = new file Japut a bream		public static mes
In Example 1.  Inspert Jana. io. *;  public class By the Array Input of  public class (buf);  int x = 0;  chance the contract (buf);  int x = 0;  chance chance (buf);  chance the contract (buf);  public class file Ex of  publi		new Sunday main (string augs []) 5
In Example 1.  Proposed Jana. io. +;  public abolic world main (string [] ang)  twoms 10 Enception f  byte [] buf + 33-, 36, 37, 38];  Byte Array input stream byt = new ByteArray  - Input stream (huf);  int x = 0;  while [ 1 = byt- read () )!=-1) f  chan ch = (Shan) h;  tystom and pointen ("Ascu value of character is "+x+"; aprecial character is "+ch  2. Speanple 2.  public class file Ex f  public class file Ex f  public strain and main (along all)  twoms 10 Exception f  Eile Input abream fin = new file Input atream		1 Mene Handling ()
impart jama. io. *;  public class By te Array Imput of  public abolic world main (1 bring [] ang)  twoms 10 Eucephinn of  byte [] but * (32°, 36, 37, 38°);  Byte Array impuriterous byt = new ByteArray  - Imputatoram (but);  int K = 0;  while [ 16 = byt = nead () ]!=-1) of  chan ch = (Chan) lx;  tystem and printlen (" Ascer value of  character of " + x + "; Aprecial character is " tch  }  character of " + x + "; Aprecial character is " tch  public class fileter of  public class fileter of  public stars fileter of  pu		3
impart jona. io. *;  public class By te Array Input of  public abolic world main (1 thing [] ang)  twoms 10 Eucephium of  byte [] truf * (33-, 36, 37, 38];  Byte Array input of tream byt = new Byte Array  - Input of tream (buf);  int K = 0;  while [16 = byt = nead () ]!=-1) of  chan ch = (Chan)   k;  tystem and printlen (" Ascer value of  character is " + K + "; pperiod character is " tch  character is " + K + "; pperiod character is " tch  public class fileter of  public of the world main (or hing all)  throws 10 Exception of  Eile Input of ream fin = new file Input of ream		J.
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public class By te Array Input of  public whatic world main (string [] ang)  twoms 10 Eucephium of  byte [] buf * {35, 36, 37, 38};  Byte Array input stream byt = new ByteArray  - Input otheram (buf);  int K = 0;  while [N=byt-reach ())!=-1) of  chan ch = (Chan) la;  tystem and printle ("Ascu value of  chanacter of "+X+"; special chance ten is "ten  gublic class fileEx of  public class fileEx of  public class fileEx of  public class fileEx of  public strain of main (string as ])  throws 10 Exception of  Eile Input a tream fin = new file Input a tream	1.	Example 1.
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byte [7] buf = {35, 36, 37, 38};  Byte Array inputatorem byt = new ByteArray  - Inputatorem (buf);  int x = 0;  while (11 = byte read ())!=-1) f  chan ch = (chan) in;  dystem: and printlen ("Ascer value of  character is" + x + "; pheriod character is" + ch  }  2. Special character is "+ x + "; pheriod character is" + ch  public class fileter {  public obtatic usid main (string as 1)  throws 108 respiron {  Cite Input a bream fin = new Gile Input a bream		agray Input }
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chance the cut (chan) is;  dystom. and. printler ("Ascu value of chance ten is" teh  chanceton is "+ k + "; special chance ten is "teh  2. Shample 2.  public class fileter ("Ascu value of chance ten is "teh  public class fileter ("Ascu chance ten is "teh  public class f		
character is "+x+"; plead character is "+ch  2. Shapele 2.  public class fileEx {  public static world main (string as])  throws 108+exptrom {  Cile Input stream fin = new Gile Imput stream		
chanactur is "+x+"; special chance ten is "+ch  2. Sprample 2.  public class fileEx {  public obstic noil a main (shing a[])  turours 10 Exception {  Cile Input stream fin = new Gile Input stream		
2. Eugrople 2.  public class fileEx {  public static noise main (a tring as ])  through 10 Exception {  Cile Input a tream fin = new Gile Input a tream		system. and printles (" Ascer value of
2. Eugrople 2.  public class fileEx {  public static noise main (a tring as ])  through 10 Exception {  Cile Input a tream fin = new Gile Input a tream	-	character is " + K + "; special character is " +ch"
public Otatic maid main (atting a[]) throws 10 Exception (  Cile Input atream fin = new Cile Input atream	_	3
public Otatic maid main (a tring a [])  throws 10 Exception (  Cile Input a tream fin = new Cile Input a tream		) also and also also also also also also also also
public Otatic word main (a Ming a[])  twoms 10 Exception (  Cile Input a tream fin = new Cile Input a tream		3
public Otatic word main (a Ming a[])  twoms 10 Exception (  Cile Input a tream fin = new Cile Input a tream		
public Otatic maid main (a tring a [])  throws 10 Exception (  Cile Input a tream fin = new Cile Input a tream	9	e 18. 2
public Otatic word main (string a[])  twoms 10 Exception (  Cile Input stream fin = new Cile Input stream		spranchie 2
public Otatic word main (string a[])  twoms 10 Exception (  Cile Input stream fin = new Cile Input stream		011 - 0
Cile Input a tream fin = new Gile Input a tream		
Cile Input atream fin = new Gile Input stream	100	public static unid main (ating al])
	_	
		File Input a tream fin = new file Input & tream
(" Engaple thing);		(" Example. tent ");

4-	
3	but content; the ( Remaining bytes mes.
	but content;  system out printle ("Remaining bytes that is,  be read i" + fine available ());
	Agolus out print ( (com) content +" ");
1	Agolino and print ( coment + " ");
	1 004 (20)
	be read: " + fin. averilable ());
-1-	System. and printle (" Remained bytes that
	can be weard : " + fin. available ());
	}
-1-	3
	Example 3.
	import garaio.
	andic class Blye Array - en f
1	public state void main (sting orge)
-	Pilconsputstream fout 1 = new fikeuts
	stream ("Example. tent")"
1_	Gile autput stream Cout 2 = new Gile output
	stream (" Example - Hed");
	Byte Arrayoutput stram bout = new Byte Brog
	bant unite (65);
	b out curi to To (fout 1)
	bout weile To (fort 2);
	bant. Hush ();
	baut clase ()

	PAGE NO : DAYE :
	3 system and printles ("trecess");
	5.
	Example 9
.)	infant Jana. To. Pile Input stream;
	infrant Jana. io. To Enerphion;
	public class file Ex 2 f
	public Matic void main (Atring all) throws To Enception of
	("Example. Kend");
	byte [] bytes = new byte [20];
	char c ;
	i = fin . read (bytes);
	Typhen and printle ("Number of byte read;"+i);
	for (byte b: byter) S
	C = (char) b;
	chystem. aw. print (c);
	3
	2
5 7 5	
1	

