### **OBSERVATION COPY:**

## Program 1:

	PROGRAM-1
	CONTRACTOR MAKE NOW DELLER CO.
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	keed in a,b,c and use the quadratic
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A LANGE	no near securione.
13.4	City of the Secretary Property
	inspert Java. util. scannes;
and the	
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	deuble A;
	deuble b;
	della C.
	yes + as a series altains and manife
	public class guadeque (
-	public static veid main ( string () arge)
1-6	Scannes scannes = new scannes ( System i
	Scannes scannes = new scannes (system)  (seef ceef = new scannes (system)
-	
150 11/2	System cut print ("enter cary of n.b.
- /	System out print ("enter a");
1	cliff. n = scannes. next Deuble ():
1	
	System cut printer (" not a quad.
	enter non-zero value");
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	2 coeff. a = scanner. nextocupie ();
	Control aut Projet ( estus b").
	System, cut. print (" enter 6"); Cliffy b = learner nertocute ();
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	- 3 - MIG 1971	Date//
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	coeff. c = scancer. next Deuse	112:
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	2 useig (d>0) &	reet 2 "+ri)
	y many many a	363436
mail	Aprile 31= Comment & Most	(4)2/(
	delle 71 = C-coep 6 + Math. sque	(A))/(2 + ceys-
	deuse 72 = (-cell b - MATH. 19pt	(a))/(2 * cuy.
	System eut print in l'rect are m. System eut printer ("keet 1:" +	at L distint")
	System, ett. printle ( Rect !: +	r1);
	System eus. printer l'Reet 2:"-	+ 52);
7	3	ARAM1
	Else h	00
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	double imaginary part = Math. sq	at (-d) /
	2 * CUH	.0):
day	system. ell . printer (" keets as	e imaginary:
	System, eur. prinzen (" Keet 2: "	+ nearpase +
	" + Emaor	namare + "1"9
	System, eut. prineir (" Keet2:"  " " + mage " no real seille	cion");
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1	Liggie - Deserve - normal - Francis C.	312
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80et 2: -0.66 W-1.105541
Extes coefficient 9.6.0;
unter a: 1
enter 6: 2
2) [11]27 enter 0: 5
21 2 rees are imaginary.
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a Chinasana Stan State State

#### Program 2:

an away create ark an orray mart.  3 material methods to accept I display  the all the services of a trusted Sqrn  of a trustent.  impert java. until creams;  create surjust mark;  int creates;  int grade;  Class screens I  private reace final int may surjust = 5;  Chang hame;  String use;  Surjust 1) surjust;	veil Ger studentderail () &  system eur printen (" unter name & USN:"  nance = (l. nem ();  usn = (s. nem ();  euble ger Marke () &  System eur printen ("enen marke & credus g  each Musject");  deuble terelexidies = 0;  deuble terelexidies = 0;  deuble terelexidies = 0;  fer (int "c"); "< no eq unsjects; "++) &
Owner a Jara fregram to crease a classe student with members were, rance, an array marke.  an array crease and an array marke.  Induct methods to accept I display traits and a method to calculate Sylvin of a leaders.  import java, until scanner;  cless suspect I int suspect int crease;  int grade;  }  Class student I france;  chan student I france;  String name;  String use ;  String use;  String use;  Subject D suspect;  Scanner St y  Student (scanner) {	ayerm cut, printin (" enter name & USN:  name = (l. neme ();  usn = (c. neme ();  evels get Marke () &  lysum cut. printin ("encer marks & credice of each subject ");  deute that credice = 0;  deute that grade prints = 0;
Author Star program to create a classe.  Student With Members with, rather, an array cruin and an array masse. Include methods to accept I display Whales and a method to colourse Syln of a lender.  import javas until scennes;  Cless inspect I int create int colourse; int create int colourse;  class inspect I private rather; int grade;  class insert I private rather; string prace; String prace; String une; deute Syln; Subject I) mejett;  Scennes (C. )  Curant (Signes Hannes) I	ayerm cut, printin (" enter name & USN:  name = (l. neme ();  usn = (c. neme ();  evels get Marke () &  lysum cut. printin ("encer marks & credice of each subject ");  deute that credice = 0;  deute that grade prints = 0;
Develop a Jara program to create a classe  Jestilent Nith Members win, name, an array create and array masse. Ancies and a methods to accept I dispay  litaits and a method to calausee Syln  of a levident.  import java. until scennes;  cless surgions I  inte grade;  class surgions I  private reaction; inte grade;  class surgions I  private reaction; inte grade;  String name;  String usen;  St	name = (l. nem ();  usn = (s. nem ();  vulle get Marke () h  lysiem. eur. printer (*ener marke & creduse each subject ");  deute that cridic = 0;  deute that cridic = 0;
an array Create and an array mate.  2 notate method to accept & digray  litalis and a method to calculate Squa  of a trudent.  import java. until sunnes;  Oles inspect  int ordine;  int prade;  Class source pinel int may suspece 5;  String name;  Chair source pinel int may suspece 5;  String name;  Suspect 1) suspect;  Scanne 16 y  Student (seapour scanne) {	usn = Co. nene ();  eutre get Marke () h  Lycum, eur. princin ("ener marke le crediu g  each duspier");  deutre teretgralegière = 0;
an array Create and an array marte.  2 nature method to accept a display Whates and a method to estaurie Squn  of a lenders.  import javar uncil scennes;  Ches inspect and intervention  in grade;  g  Class invent I  private estate final int may suspece = 5;  Stary name;  Stary name;  Surject I suspect;  Scennes 16 y  Student (scannes) {  Stude	eusie ger Marke 17 h Lyeum . eur. prinzen ("eneur marke & credeu o deusie terretories = 0; deusie terretories = 0;
an array Cruice and an array mark.  Indust method to accept a display  Utalis and a method to estaurise Syin  of a kindens;  import javar uncil scennes;  Cless surjuemants;  int credits;  int grade;  }  Class screens int int may surjueer 5;  String name;  String usen;  Surjues I surjuet;  Surjues I surjuet;  Surjues I surjuet;  Scennes it y  Student (scapnes scannes) f	euble get Marke (? ). Lysiem . eu prinsin ("eneu marke & creden e each Susject"); deuble tetal(credin = 0; deuble tetal(credin = 0; deuble tetalgratepeine = 0;
Straits and a method to calculate SGIN  af a thirdent.  import java. until sunner;  cless surject b  int critics;  int critics;  int critics;  tree grade;  Class sursent b  private sease first int no ex surject = 5;  String man;  string ma	Syciem . eu. prinsis ("eneu marxi & credeu e esch dusjece"); deutse terescreder = 0; deutse teresgradepeines = 0;
desir and a method to caracter Sign  of a leaders:  import java unité cuance;  clair surgiernance;  int surgiernance;  int grade;  clair service !  privaté caricé pinel int na ex surgiere : 5;  String name;  String num;  deusse Sign;  Surject ! surject;  Scanne le y  String num;	Syciem . eu. prinsin ("eneir marks t credeur each durject"); deutse terescricties = 0; deutse teresgradeprines = 0;
import java. uncil cunnes;  Cless surjue marks; int carrier; int paase;  Class surjue to the private season;  Chars surjue to the tracy surjuece = 5;  String name;  String nan; deuthe Sigln;  Surjues 1) surjues;  Scanner 16 y  Student (sianner seanner) {	deutre terrescrites = 0; deutre terrescrites = 0;
import java. uncil scennes;  clees surject l int cretice; int cretice; int prade;  Cless survers l  private sease final int no ex surject = 5; (string name; (string usn; deuth Salh; Subject 1) surject; (scanne 16 y  Student (scanne) {	deuble tetaliseidies = 0; deuble tetalignalexistes = 0;
Class English &  Int sufficements;  Int critics;  The grade;  Class Tourist &  private state final int no eq suspect = 5;  String name;  String lain;  dente 541A;  Subject 1) suspect;  Scannes &  String lain;	deutic tetaligradepoints = 0;
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int suffermant; int cretics; ine grade;  Because insure le private mane pine int no ex suspece = 5; String less ; String less ; String less ; Subject 1) suspect; Scanne se ; Student (scanne season) }  Student (scanne season) }	for ( int i=0; i < no of subjects; i++) &
int suguemant; int cacin; int suguemant; int grade;  } Class insunt I private event final int navy sugues = 5; String hance; String usin; dente SUIA; Subject D sugues; Scanne St.; Stanne St.; Student (siafnes seance) {	for the tel; is no of tubjects; 1++12
Class course &  proverte name from int many majorer = 5;  String name;	
Class student &  private seate final int no eq suspece = 5;  String name; String name; String Nam; deutle Sign; Subject 1) suspect;  Scannes it;  Stannes it;  Student (siagnes seance) }	deusle marks = SC. nent Deuble ();
Class student ( private estile final int no eq suspeces = 5; (Stray hame); String hame); deutle Sigh; Subject () suspect; Scannes (6;  Student (siafnes seance)) { }	deuble credits = 50, penopeuble ();
Class student ( private esatie final int have suspeces = 5; (Stray hame; (String hame; (String him; deutle Sigh; Subject () suspect; (Scanner () suspect; (Stanner () siafner searce) {	
private marie final int No. 4 magnet = 5; (String name; (String name; (String usn; deutle Sigth; Suspect 1) magnet; (Scannes 16; (String scannes) {	if (marke <0 11 marks >100) {
String name; String usn; deuthe Sigh; Subject D mynet; Scanner St.; Standard (sights stands) {	System elit print (" Envaled mains");
String name; String usn; deuthe Sigh; Subject D mynet; Scanner St.; Standard (sights stands) {	Paris Fill material a star of the married
String usn; denethe Syln; Surject 1) surject; Scanner (C.  Student (Stapper stanner) {	centinue;
Stanfact 1 Maject;  Scanna 16 ;  Stanfact (stanfact stanfact) {  2	
States ( status stance) }	store Coloured at allegants
Student (seafner searners) {	(mark == 100) d
Student (scapnes scannes) &	112 11111111111111111111111111111111111
Student ( siagnes scannes ) &	suggets Le? Surject Marks = 10;
	A Control of the cont
subjects = non subject [ no. eq subjects ];	bey (MATRI >= 10) 2
yes (int 120; 12 no-ex surjects; 6++)	subject (6). SubjectMATKs = 10;
susjects [1] = new susjects ();	CONTRACTOR STATE
2	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
this, So = scance;	MARKA > = 80) A
Thursday,	use if ( Marks >= 80) &
0	Susject 16). Subject MARKI = 9;

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Computed [17. Surject Marks = 10) f

When if ( Marks >= 10) f

When if ( Marks >= 60) f

Surject [17. Surject Marks = 7;

Che if ( Marks >= 50) h

Muject [17. Surject Marks = 6;

Cherif ( Marks >= 40) f

Surject [17. Surject Marks = 5;

Pette f

Christer [17. Surject Marks = 0;

Junject [17. Creaks = [ ins) create;

Surject [17. grade = maject [17. creates *

maject [17. grade = maject [17. creates *

tetal creates += maject [17. creates =

tetal creates += maject [17. grade;

tetal grade peine += Maject [17. grade;

Syra = managrade peines / tetal creates;

return tetal creates;

veid compute Sala () h

Syrtem. ett. preather ( 'sgin: " + 341A);

P
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	Poge-
	1 303304
	ne Main f ne (1 ags) h new (carner ( system. in );
Fubice and still	ent Man P
from Cotm	of the autom, in ):
Scanner ec =	new sames eggs
The same	O: students : "
Sydem eut prin	t ("enter no. of months (2)
int number of	t ("enter no. of iterdente :". suidents = 50. nentine ();
	27++7
for (int i=0;	i' \ no. 14 - students; i'++)  rine ('\n recessing detail  ent '+ (i'+1) + ";  );
System. Cur. p.	rint ( \ \ recessing detail
for stud	int "+ (1+1)+";
Student student	= new techen
Student, get St	udent betau ();
Student. get M	aski ();
Student . cony	ruce (UPA 1);
7.	\$ 111
Sc. clere ();	1 18
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//	and the second second

# Program 3:

-	Date
	PROGRAM -3
	crease a cless seek which certains four
	menors : Name allthos boris
	and the waller to set the value.
	conjucted details by the best overless a
	Java sasses to and brek. Develop a
	Java pregnam to create n beek epieces.
	import java, util, scancer;
	class evers &
	String name;
	String author:
	int paice;
	int numpages;
	Beeks ( Firing name. Heir auth
	BECKS ( thing name, string author, inc paine.
-	this reme = name;
-	this. author = author;
-	this. paice = paice;
-	this numpager = numpager;
17	
1	
11	uslic String to String () &
-	return "BECK name: "+ this name + "\n".
-	"Author rapie: " + this. author + " \n"+
	"Price: + this, price + "\n"+
_	"Price: "+ this, price + "\n"+  "Munuser of page: "+ this, numpages +
b	

100	Date// Page
public Class Main &	2 august 2
public static yord ma	in ( String 11 args ) t
Scanner s = MW	in ( string [] args ) { scenner (system.in);
IA+ N	Annual Mark William Land
System ell print in (	"enter no of bears:"D:
$N = S$ , $N \in X \in I \setminus I$ ; $S$ , $N \in X \in I \setminus I$ ;	11.00
S. MEXILIAE 17;	ARCADING SARIO CREA
ELEKI (J b = new BOOK	c [n]:
las lint i=0 . ixn	· (++)
System, cett, println	(" ecek" + (1+1) + ":");
Cinten, Oll, Print (	" enter name of book: ");
String name = S. no.	utline ();
System. ell. frint (	"enter author of book:");
String author = 5.1	rentline ();
System , eut , print l	"enter price of beek:"),
int price = s. ner	ctint();
System, elle, print i	"enter no ex pages in book".
int humpages = s.	MALLE ();
S. nentiule ();	533450 33.14
bli) = new beeks (na	ne author mine
N	unipages).
4	1000 1 250 1
System. eut. printer (" \n fer C beeks beek: b) System. eut. printer	AREK Dugits: "):
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9 gent tue protest	aux. wsung (s),
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2	100
128	10201 23 101
1	
	A REAL PROPERTY OF THE PARTY.

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	a IT can I would know their action
	Enter number of books:
	2
112	A AN
	BLOK 1:
	BUK 1:
	entes hame at the state
	enter name of brek: the the Alchenist
	enter author ex beek: The rame control price ex beek: 250
1000	entil him of beek: 250
44	enter number of pages in beek: 200
	ecex 2 :
200	DOLA - LINE AND THE STATE OF TH
	Obtice to a man and a man
	enter name of book: The grapes of wrath
	ences author of beek! Tehn
	enter price of beek: 300
	enter number of pages: 400
-	name de la companya d
+	Beek details
	9 -
	All hame & The Alchemist
A	uther name: Paulo
P	n'a : 250
A	o et pages : 200
	1 Carl and made and a series
B	eck hame: The Grapes of Wroth
	Uthor hame: John
1 19	rice: 300 0 et page: 400
	a al wasse

### Program 4:

-	
	PROGRAM-+
	Daylers and the state of the st
100	abuse a java program to create an
	abservant class rame shape that centrins
	two integers & an empty meshed named
-	Print Area () Provide three Class ramed
	Rectangle, Triangle and circle such that each
119	One of classes extende class shape. Each
	One of classes censoin ency method
	shape. That prints area of given
-	ange.
	inunest Foun Util Stance
	import java, util. scanner;
	abstract class shape &
	double a ;
PAN	deuste by many and many
	deuble nesuit;
	A = 1 Arga bruna D
	abstract void printArea ();
33 07	2 three t same! missel the miter
	Class Kertangle extends Shape &
1	veid princhnes () & many many
TI	System out frently enter dimension of
	receange D;
	ccances ( = new ccances (custem in).
	scarner s = him scarner (system in); a = s. nextrume();
	b - J. Remounter ;
	b = s. heatocusic ();
	Fresult = a * b; C. Area: + result + igua

Date Pass	
i Posse	
	-
Class Triangle extends shape (	
wallen ellt. Printin Contin din.	1
(Canalis (- " triangle"):	-
Scanner S= new Scanner (Eyerem in);  A = S. hextDouble ();  b = s. hextDouble ();  result = (a + b)(2;  Sustant = (a + b)(2;	-
b = 13. Next Double 12;	-
J. next Delible ();	-
Statem Out	
June tres. prentin ( Anea: + result +	
4 "sq units");	_
4	_
	-
Class circle extends chape &	
Veld PrintAnea () L	
System eut. printla (" enter nadicis ex circle")	
Janus 3 = new Jannes ( lystem in );	
n = J. Next Deuble 1;	
resut = 3.142 * a * a;	_
lystem eut. printen (" Aren "+ nesutt + "ig une	ti
1	_
11 12 12 12 12 12 12 12 12 12 12 12 12 1	
Class Print Area &	
Public static veid main ( coming angi 11) ? Rectangle & = new rectangle ();	1
Protection & = hear sectan size();	
Time + - henry I mangle ();	_
Triangle t = new Iniangle (); Circle C = new Circle ();	
r. printArea ();	-
t. printArea ();	-
c. princance. ();	-
C. printing,	
4	

-	
	Cutput: 2 MARRIAN
	DAU 4
7	ences dimension of necessary
- 14	Annean Bergerang Leanur Break Break Break
	5 20
	Course on the course of the course
	Anen: 100.0 sq units
0.01	INTERPRETATE to BUILD AS ABANDAN BONDERS BULL
3.03	OLDER LANGE The CHANGE AGE
	enter dimension of triangle
	THE TAX THE TAX AND ADDRESS OF TAX A
n ni	25 seemed mismake a mornish and
	hales on the second die least, a chief
	Area: 25.0 sq units
3 0.N	TALLANDE CAMPA S' ANNOUNCE CONTROL CAMPA
	enter nadiu of circle
	TREA STATE OF THE PARTY OF THE
1324 WYC	3/2 met of tilling will will will all the
d	Area: 1520.7279 sq. units
/	Area: 1520.7279 sq. whots
	- Delivery and America C. British Art and
./	accept accepting Decor Secretary & University
10	A Translation of the second
111/	with the same of the population of the same of
31/	
Y	The state of the s
-//	and it makes you consider the times?

#### Program 5:

	impose java util scannes;
	The z significant of the state
	Cless Account & Christophine;
6	Etring austernesName;
_	int accountnumber;
	duble balance;
_	THE RESERVED SOMESHIP WAS A STATE OF THE STA
1 13	Account ( string name , int acces)
-	CARROLL LUCE ARABESTAL ET AVAILABLE
1 1	Clistomes Name = name;
all s	accountmenter = accno;
-	balance = 0.0.
	4 14 same a same same same
-	veid depente (deuth amount)
-	balance += ansunt;
	System aut printin ( Depender + amount
+	balence += ancient;  Lystem air. french (* pyrister "+ ancient  'n uppared salence "+ balence);
14	
_	17.6
_	Veid display Balance
	Soutem ell printin a Account balance.
471.5	
1	becence);
-	Veid display Edence () &  Lytim eur. printin ( Accurat balance: +  bellere);
1	wit witt draws (double Americat ) {
_	wit witt draws (double Americat ) {
_	wit witt draws (double Americat ) {
	wit witt draws (double Americat ) {
	Veid withdraw (double Ameunt) &  Cystem our printle ("Withdrawal is Epicific to account type");
	Veid withdraw (double Ameunt) &  Cystem our printle ("Withdrawal is Epicific to account type");
	Veid withdraw (double Ameunt) &  Cystem our printle ("Withdrawal is Epicific to account type");
	Veid withdraw (durle Ameunt)?  Cystem eur printer ("Withdrawar is tyrique to account type");  Vid Conquelaterese ()?  Cystem eur printer ("Interior can't be commerce for this account type");
	Veid withdraw (deute Amount) ?  System ett. printle (* Withdrawal ir sprintle to account type");

-	Done Page
-	
	Class Javing Account extends Account & decline intercurate = 0.04;
	deuter interessate = 0.04:
-	District a construction of STANSMAN COLUMN
-	Savings Account ( String name, int access)]
-	2 Super ( name, access ):
_	
_	Veid conjutelations () &
-	deuble interest = balance * intercerette;
	belance += interest:
-	System, our printle Canterver added "+
	interce + 'In updated become: '+ hours
	double laterer = balance * latererere;  balance += laterere ;  lyter eur prinche l'Anterere ables : +  interere + 'In upared belence' + beloni  buil Withdraw; (double around)
-	Veid withdraw ( double amount ) !
	A Canada a stable of the state of the
	if ( balance >= ansunt) &
250.	balance -= amount;
- (	Lightem, out, printin (" with diagon: "+
-	ameunt + "In updated believe: " + belance);
-	A second
-	else Character Donk May
-	CHICK SHE SHADE & ACRES LAISAN
1	Egotem eur. printer ( sassefficient balance!
	1 III
1	Live Comments arrange branch some fill
12	Ababasata Mus 20 Arrand una mani
19	Charles Comment of the Comment of th
IN	lass Current Account extends Account &
14	divide property of the same and
+	deuble minimum balance = 500.0;
1	deuste service Charge = 50.0;
1	THE TANDAGE HAT ANY ANALYSIS
10	where Account Cetring name, int according
1 0	0

```
super ( name, acces); 's

veid checkminimumbalance ();

if ( belance < minimumbalance ();

belance = Cervice Change imposed ");

belance = Cervice Change imposed ");

belance = Cervice Change imposed ";

belance > Cervice Change imposed (" truvice Change: "+

belance );

'y

void nitheran ( deuble amount );

belance -= anount;

Gystem. lit. println (" witheraum: "+

anount + "\n upsteed belance: "+

belance );

Checkminimumbalance ();

y else i

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Account deposit ( deposit America); break : System . eus print l'enter withdrawal acusta nithisan angust = Co necessions.

acusta northisan ( nithisan amuna); barak : Case 3: account disprogramme (); break; Case 4: account anyuteinterest (); break; System out printer (" energy"); ca. desa (); returni Cepter out printer ("Invaria chaire"); default:

Output 3 -Enter customer name: sam Enter account number: 123 Contra account type ( Jacongs ( Current): saving Menu: Depenit Withdran Dispuy Balance Conjute Interest Exit Enter your Cheice: 1 enter deperit anunt: 500 deposited: 500.0 updated Balance: 500.0 Enter your Chaice: 4 enterest added: 20.0 Updated Balance: 520.0 Enter yeur Choice: 2 ener withdrawal amount: 10 Withdraun: 10.0. Updated Balance : 510.0

Enter your Cheice: 1
Enter your Cheice: 1
Enter your Cheice: 1
Enter your Cheice: 1
Enter your Cheice: 2
Enter your Cheice: 2
Enter your Cheice: 2
Enter withdrawar amount: 10.

Withdrawn: 10.0

Updated Balance: 200.0

Balance is below minimum. service
Charge inspect.

Updated Balance: 150.0

Updated Balance: 150.0

### Program 6:

PROGRAM 6.  Create a package CIE which has true Classes— Surena and Internation—The Sime The Other internation Who were, have sime The Other internation marks from the that stream the internal marks from the which leaves of the current termies up the studies. Create arether package a distinct close by Cluster Truth Class has an array three stream the 500 ma from in fine currie of current semment of the surence of current semment of the surence of the sichers the years marks of n Stream all fine curries in a file that all fine curries  package CIC; purice class Ctuters  Package CIC; purice class Ctuters  the sem; fire sem; fire sem; this sem = usn; this name: name: this sem = usn; this sem = sem; this sem = sem;	1		Date
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,		this sem = sim.	

T Changalia and and
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public Class External extends studios
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public extenses ( Ctaing um, String remains int um, int it marked)
and lem, the IJ marked
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oncondemnati [i]: Mastes [i];
t else &
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System, etc. printle ("provide exactly  s marks for see ");
2 1 2 - MARI MARINTON
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	2 Tail roll o mountaine D and
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	5 marks for internals. );
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	for ( let i=0; i internet marke length
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-	System out print (interner Markette.
	" ");
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-	2

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(for (int is 0; i(n; i+))

(for ( un is 0; i(n; i+))

1.0. PLA ("enter internet marks for s cutyens)

int [] Internet Marks - new int (S)

fer (int j=0; f < S; j++) {

external Marks [j] = Scanner, nextens)

enternale (i) = new External (user, name.)

ser, external Marks 0;

fer (int i=0; i<n; i+) }

Cutdents (i). display (b);

internals (i). display trues naumorks (b);

externals (i). display trues naumorks (b);

externals (i). display trues naumorks (b);

for (int j=0, j<5. j++) {

Int final marks:");

fer (int j=0, j<5. j++) {

externals [i]. caternal Marks [j] +

externals [i]. caternal Marks [j].

for (final Marks + ");

}

scanner use (b);

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ence see marke	
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## Program 7:

PROGRAM 4	at a tather f
	Class Eather & ine fathernge;
Waite a silver the same	- au juinerige,
Write a gregram that demenstrates heading	BULLIA FORTHER ( int and ) Hacum birenesses
	public Father (int age) thream wrenged enlighter)
design the class called tather and	
base class called "can which execute the	1 is Carcol I
base class on lather class, implement a	thren; hand wings has enception ( ago
the court which takes age and thrawe	thren run wronging exception ( 45
the exception wrong age () when the	3
imput age < 0. In cen ciais,	this. farmer ge = age;
father and constructes that uses both	2
father and sen's age and threws an	
exception if sen's age is >= fathers age.	class son encends father &
	class san eneends father & ina senage;
tingent come usi con	
inyest java wie scannes;	pusie cen (the fatheringe, ine senage) thrown henry agecraption, invalidation
Class haring agreencestien extends exception	thrown when a getruption, invaldenage
public wrong ngerapien Cint age) [	
System out print ( Age cannel be	super (farnerage);
negacive. Invalid age: "+ in	
	is ( senAge, <0) }
1	three new Wrenzage enceptien Genn
	2
Class Invalid Confige Exception extends Exception	
public Invalidation Agreenception ( int father Age -	is (cannot >= natherage)?
in Lenage) {	1 Veringe Invalidate office exception
System, cut print (" son's age can't	( cotherner Sentar)
be preases than or equal to	three New Invalidationg exception (fathership, lendge);
Diasa Invalid Connection parameter of the fathers fully consisted function of the fathers in Sendge & System euter prints ("Connection of Equal to fathers are ")	
2 , father's age ");	this. serrge = centige;
2	2

public vill displayages () {	Enter lather's Age: 23  Enter sen's Age: 25  Sen's age cannot be greater than extended to father's age.  Enter Father's Age: 40  Enter Can's Age: 12  Age: 40
AND ADDRESS AND	6 hter Father's Age: 40 6 hter Can's Age: 12 pather's Age: 12 Sen's Age: 12.

# Program 8:

Class Display Thread entends Thread h
String message; int interval;
Unt Interval;
public Ougley Thread (Ctring message, int interval) {
this interval = interval; }
this interval = interval; 4
Pushie void run () §
try ?
try & While (true)

-	
	Thread every ( interval + (evo); } 3 (atch ( Interrupted exception e)
	Cata ( Interreptedencipeus ); "+ minare);
	fro. 11 ("Thread interrupted:"+ message);
	pussio static veil mais (strug [7 asg.) &
	Oupley Thread thread = new Display Thread ( * &MSE*, 10);
_	Display Thread 2 = New Display Thread (cité, 2);
	8
/	<i>y</i> .
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