Lab Program 5

	II
	classmate
	Date
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9/12/12)	
, ,	Programs: Develop a Java program to create of class Bank that maintains two kniss of
,	rogams. Develop a sava program
	I class Bank that maintains two kinds to
	The second for the second seco
	and the other current account. The sorings account
	I want account for see the second
	for provides compound interest and withdrawal
	facilities but no their book facility , the will
	account provides cheque book facility but no
	interest. Current account holders should also
	maiting a la l
	maintain a minimum balance and if the balance
	falls below this level, a service tharge is imposed
	dreate a glass secount that stores customer name,
	Allow to los Ald I all I
	Seriese the closes our-act and Savacet to make
	deresse the closes our-out and Sove-out to make
	them more specific to their requirements Luclude
	the necessary methods in order to which the Rolland
	them more specific to their requirements. Include the necessary methods in order to schieve the following:
	a) Authority of
	a) Accept deposit from customer ond update the balance
	b) Display the balance.
	c) Coul to 1 1 1 1 1 1 1 1
	c) somfute of and upsate the balance
	1) 0
	d) Permit withdrawal and update the bolonce
)
	Mark 12 House
	for the Minimum balances impost hence It
	receisory and update the balance
	theck for the minimum bolonces impose frenchty if neccessory and update the balance.
- 11	

inhort java util . Scanner uport java . dang . math . class Account string chame, sullo, ist type of Acc; Sould balance = 0, Sepo, withdraw void set () Scanner SS = new Scanner (System-in); Lystem out, println ("Enter your name, Chame = SS. next Line occAld = SS nent () System. out. printles ("Enter the balance"); balance = 55 ment Double (); system out frintles ("The balance in account is "+ balance); dearner 85 = new Scames (System in);

dystem out frontly ("Choose the account

type I for savings account, I for wreent

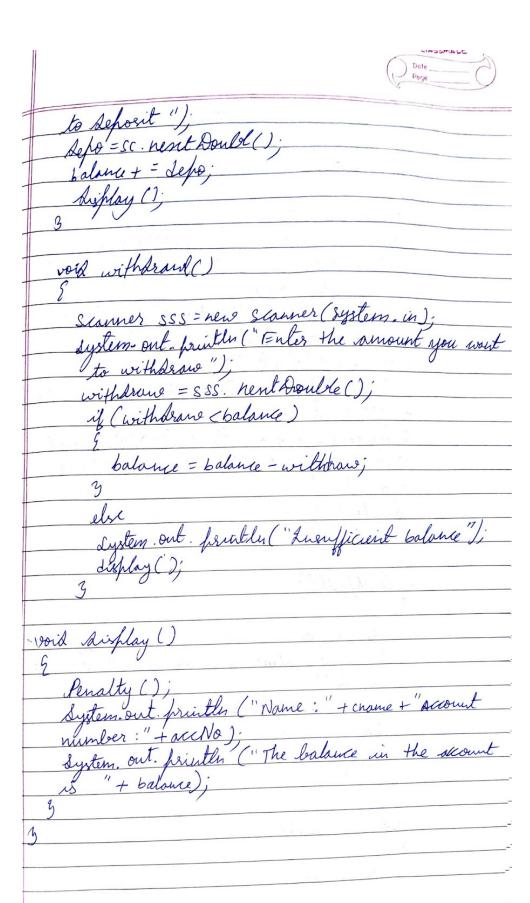
scrount");

type of Acc = SS. newthat ();

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	class lur aut extende Account
	2
	Sould misBal, fenathy;
	Sur_aut()
	min Bal = 1000j
	3
	1 2 14 12
	void Penalty ()
	herally = 200 = 0.20 * min Bal; deanner sc = new Scanner (System in);
	if (balance < minBal)

	int n;
	System out printle ("A service charge of"
	+ penalty + " will be charged as the dolane will become less than
	min balace in Do you want to proceed?");
	System-out fruitles ("1. Yes In J. No")
-	h=Sc. westLut ();
	$\frac{if(n=1)}{1+i(n-1)}$
1	balance = balance - penalty:
	ense
1	2 system, out printly ("Withdraw conceles")
	3
19	od deposit()
	od seposit()
	State of the Control of the
	Scorner sc=nene Scanner (System.in); System. out. println ("Enter the amount you want
	ingrand, our prince (tites the amount you want
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closs Sav-aut entends scount
L. Comments of the comments of
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2
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Sconner SSS = New Strate St unteress)
Classica Sut hallen
to the Har C"Enter the munit of
interest is compounded per year)
n=988- nent Double ();
System. out. printly ("Enter the time in years");
+= 358. nentrouble ();
1 dlave = balance * Math. Dow (171/M) (h M)
System. out. printly ("A Compound interest was
added");
display ();
3
void deposit ()
S '
Scanner Sc=new Scanner (System.in);
System. out. frintle ("Enter the amount you want to
Achosit ");
depo = sc. nentDouble();
balance t = defro;
Acidose ():
a mortal)
 1 (11 16)
word withdrawl ()
Scorner SSS = new Scarner (System in);

System out printly ("Enter the amount you want w = SSS. neutDouble(); balance = balance - withdraw; System. out. printle ("Insufficient balance"); out. printder ("Name: "+ Chare + class Bank public static void main (String orgs [] a = new Account (); Sav_act s = new Sav_acet ().

¥	
System. out. printle ("The balance in the account" "+ a. balance);	~
Cur-acet c = new lust balance in	A
System out printles	
"+a. balance);	
if (a type OfAcc == 1)	
a.set()	
while (true)	Fish.
Esystem. out. frint ("Enter the choice: \n/. &	A -
System. Str. J. Withdraw \ n4. Whate to	
System. out. frint ("Enter the should Compound 12. Deposit n 3. Withdraw \n 4. Whate Compound Interest \n 5. Exit\n");	
op = ss. hentant();	
moitch (op)	
San Con Cof	
rox): &. display ();	
break;	
(age 2: & defosit ()	
break;	
lose 3: g. withfroud ();	
brenk;	
below It System ent (0);	1):
agreement from the first of the state of the	11
ay.	
cose 4: S. intrest ().	
) state:	
privage /	
wes: system, ent(0);	
g Sefault: System out printly ("Wrong choice");	
Justie)	
3	
y and the same of	

- v	
	C.ASSMORT
	Page
1 1 (a tula 01 Acc == 2)	
else if (a type of Acc == 2)	
7	
while (true)	
white (rul)	
Section and land Comptex +	the chaire: In and
System, out fruit ("Enter + \nd. Deposit Check \n 3.	1) Hadame (heck)
,	William July
4. Enit (n");	
op=ss. neutant ();	
switch(op)	
5	
case 1: C. display ();	Strategie and the strategie an
break;	
such out 1)	
core 2: c.deposit())	N 100 1
brevk;	
wye 3: c. veithdrane);
break;	100
	7);
cost 4: System. exit (8) default: System. out. f	1. the ("Wrong Move, ")
defaute . ayrem . our . 4	own (
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3	
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9	
else 2	, , , ,
System. out. println ("Wro	us choice);
1.	
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4	**************************************
1.	
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	J. C. C. J. L. Z. C.
7	7 × 1

Choose the account type I for savings account 2 for
thoose the account type to
The processing .
The balance in the account is 0.0
Enter your name, account number.
Deckstra
1211
Enter the balance
2000
The balance is the account is 2000.0
Enter the choice:
1. Display
2. Depont
3. Withdrane
5. Exit
2. Ent
Enfor the appropriate was a life of the
Enter the amount agon want to deposit
Name: Deeksha Account number: 1211
The balance in the account is 3000.0
Enter the choice:
1. Display
2. School
3. Withdraw
- The anarest
5. Enit
Enter the amount you want to with de
2000
Nome: Decksha Account number. 1211
The same marker 1211

Date
The balonce in the account is 1000.0
Display
3. Withdraw
4. Compound Interest
5. Enit
4
Enter the rate of interest
0.05
fer year
fer year
Enter the time in yors
A compound interest was added
Name Deeksha & Account number: 1211
The balance is the account is 1161. 40082895 3422
Thoose the account type I for savings account.
2 for wrrent account.
2
The balance in the account is O.D
Enter your name, account number
Decksha S 1=
型 131
Enter the balance
1000
The balance in the occount is 1000. D
Enter the choice:
Display

	2. Deport Check
	3. Withdrane Check
	4. Exit
	Enter the amount you want to deposit.
	Enter the amount you we
	Name: Decksha S Account number: 13)
	The bolonce in the account is 2000. 0
	Exter the choice:
	1- Display
	2. Deposit Check
	3. Withdraw Check
	4. Enit
	3
6	inter the amount you want to withdraw
	500
	sitt of 200 will be charged as
	re balance will become less than minimum
11	valance.
	-
	you want to proceed?
	yes
2	No
No	une: Deekstra S Account number: 131
_ th	e balance in the account is 300.0
	22 miles and a second a second and a second
	<u> </u>
	California de la companya della companya della companya de la companya della comp

OUTPUT:

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Command Prompt
C:\Users\SHANM\OneDrive\Desktop\BMSCE STUDIES\Year 2\labimp\OOJ>javac Lab5_java.java
C:\Users\SHANM\OneDrive\Desktop\BMSCE STUDIES\Year 2\labimp\00J>java Bank
Choose the account type 1 for savings account. 2 for current account
The balance in the account is 0.0
Enter your name, account number
Deeksha
1211
Enter the balance
The balance in the account is 2000.0
Enter the choice:
1. Display
Deposit
3. Withdraw
4. Compound Intrest
5. Exit
Enter the amount you want to deposit
1000
Name:Deeksha Account number:1211
The balance in the account is 3000.0
Enter the choice:

    Display

Deposit
3. Withdraw
4. Compound Intrest
5. Exit
Enter the amount you want to withdraw
Name:Deeksha Account number:1211
The balance in the account is 1000.0
Enter the choice:

    Display

Deposit
3. Withdraw
4. Compound Intrest
5. Exit
Enter the amount you want to withdraw
```

```
Command Prompt
4. Compound Intrest
5. Exit
Enter the amount you want to withdraw
Insufficient balance
Name:Deeksha Account number:1211
The balance in the account is 1000.0
Enter the choice:

    Display

Deposit
3. Withdraw
4. Compound Intrest
5. Exit
Enter the rate of interest
0.05
Enter the number of times interest is compounded per year
Enter the time in years
A Compound interest was added
Name:Deeksha Account number:1211
The balance in the account is 1161.4000828953422
Enter the choice:
1. Display
Deposit
3. Withdraw
4. Compound Intrest
5. Exit
Name:Deeksha Account number:1211
The balance in the account is 1161.4000828953422
Enter the choice:
1. Display
2. Deposit
3. Withdraw
4. Compound Intrest
5. Exit
```

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Command Prompt
C:\Users\SHANM\OneDrive\Desktop\BMSCE STUDIES\Year 2\labimp\00J>java Bank
Choose the account type 1 for savings account. 2 for current account
The balance in the account is 0.0
Enter your name, account number
Deeksha S
131
Enter the balance
1000
The balance in the account is 1000.0
Enter the choice:
1. Display
2. Deposit Check
3. Withdraw Check
4. Exit
Enter the amount you want to deposit
1000
Name:Deeksha S Account number:131
The balance in the account is 2000.0
Enter the choice:
1. Display
2. Deposit Check
3. Withdraw Check
4. Exit
Enter the amount you want to withdraw
1500
A Service charge of 200.0 will be charged as the balance will become less than minimum balance
Do you want to proceed?
1.Yes
2.No
Name:Deeksha S Account number:131
The balance in the account is 300.0
Enter the choice:

    Display

2. Deposit Check
3. Withdraw Check
4. Exit
```