Expt. No. 11

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4.	Develop a javaporogram to create a class Bank that maintains two
	kind of account for its customers, one called saving and another
	Consent account. The Saving account provides compound intrest and withdraw)
	facilities but no Cheque book facility. The Custent account provides
	Chaque book facility but no intrest. Current account holders should
	also maintain a minimum balance and if the balance falls below
	this level, a Service Charge is imposed. Create a Class Account
	that Stores constomer name, account number and type of account
	from this derive the classes current and sav-acet to make
	them more Specific to their mequirements. Include the
	necessary methods in order to achieve the following tustes.
(a)	
(b)	Display the balance
	Compute and deposite intrest.
(d)	
(-)	Chelle for minimum bolance, impose Penalty if necessary and update
80	the bolance.
7	
	import jana.util.*;
	import java laug.*;
	class Accounts
	String name, abc;
	int acc No;
N 6 10	chas acc Type;
	double deposite;
	Scannerin = new Scanner (System.in);
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void deposit () {
System.outprintln ("Inter an amount to deposite: ");
deposit = in-next Double();
bal += deposite;
System · out. println ('Balance has been updated");
3
void view-bolands
System.out.println ("Balance = " + bal);
3
public Static void main (String[] asgs) {
Scanner & new Scanner (System. in);
int x;
Account al = new Account ();
al.input -data();
if Car acctype == 'c' as acctype == (c') &
Current 22 = new Current();
do {
System. out. println ("Welcome to Current account");
System.out.println("1. Deposita")
System. out. println ("2. Check Balance");
System.out.println (" 3. Issue cheque");
System.out-print In ("Enter your Choice:");
x=S.nextInt();
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Switch (X) &
Case 1: az. deposit();
break;
Case 2: 72. Achek : balance ();
break;
Case 3: a2. CBBdke_Cheque();
broak;
Case 4: System. ext(0);
break
default: System.out.println ("Error · Invalld Choice");
3
3 while (x <= 4 22 x >= 1);
elseit (as acctype == 's' a i. ta cctype == 's') {
Saving a 3 = new Saving();
System-Out-println (" Welcome to Sowing accound);
System. out. println (1. Deposite In 2. View Balance In 3. Withanow
In 4. Calculate compound in mest In 5, exit In");
System. out . println ("Enter your choice");
x= s.n.extInt();
Switch (x) f
Case 1: a3.deposit();
break;
Cuse 2: 73. view-balance (); break;
cose 4: a3. compute: CI (); break;
ases: system. exit (0); break;
default: System. out-println ("Error / Invalid cusice");
3
3 while (x<=5 && x>=1); Teacher's Signature:

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-else.	
System out. println ("Invalid Account Type");	
3	
3	
Class Current extends Accounts	
Current () of	
System. out. println ("Enter Your Name: ");	
mame = In.nextLine();	
System. out-println ("Enter your acoust number:")	;
accNo = in.nextInt();	
deposit ();	
3	
double Chq-amount;	
void issue-Cheque()&	
System.out. println ("Enter amount forwhich theque to be	issued");
Chg-amound = in.nextDouble();	
it chq-amous > bal) à	
System.out.print ("Insufficient Balance"")	,
•	
esed	
bal = chq-amount;	
System. out. printin ("Cheque has been issued Some	squey);
3	
3	
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Expt. NoPage No	
void Cherk-balane () {	-11
it (bal < 1000) &	
System. out priAln ("curred balance is less than required bal -= 100;	1 bolace
Systemout-println ("Service Chase Iro is deducted")	;
· · · · · · · · · · · · · · · · · · ·	
view_balance();	
3	
Class saving extends Account of	
double CI, withoraw - amount, time;	
Savings () of	
System.out-println (1 Enter your Name);	
mame = in hextlinen;	
System. Out println ("Enter your account number:");	
$acc No = in \cdot ncxt (n+c)$	
deposit ()'i	
3	
void Compute - CI() &	
Systam. Out-println ("Enter Time period:");	
time = in.next Int()	
C7 = (bal * (math. Pow (6, time))) -bal;	
System. out. println ("C1 = 11 + CI);	

System. but. printin (11/21 has been deposited);

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Void withdraw-balancel	15
Cystom.out.	printin ("Entor or amount you want to with orais!);
withdraw -amn	named = in. next Double();
it (withdrawal -	ammount > bal) {
	aprint ("ERROY Less Balance");
3	
else f	
bal-=w	in drawal -ammount;
Systemiou	+. pointin (1' Amount Has successfully windraw!!");
3	
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