Neehal-1BM19CSO97 Page No.: Week-8 Date : / / Pergyom-1 import Java. Util. Scanner; abstract class Shape & int b. h; Shape (int b, int h) { this. b = b; this.h=h; void print Area () (); Class Rectangle extends Shape 1 Rectangle (int b, int h) & Super (b, h);) () southing biou System. out. println ("Area of the sectongle is" + Class Priangle orchands Shape & Tevangle (int b, inth) { 3 Softer (bih); 9 Void print Area () of System. out. printer (" Area of the to triumgle is" class circle & extends Shape

Page No.: Circle (intr) { & (sand fried Biov System. out. paintln ("Area of the circle is" +
(Moth. PI*h*h); public class Progla public Static void main (String [] angs Priorgle tri = new Priorgle (10, 5); Rectangle rect = new Rectangle (10,5) Circle & = new Circle (10); sect . print Area (); thi Print frea (); C. pant Area ();

Page No.: Date : / / Pangrom-2 importa Jana . Util. Sconner; abstract class Account of Otsing Name, ace Num, ace Type; public static final String ANSI-RED = " 1 4001 B [31m"; public Static final String ANSE-GREEN = " Lucoi BT32 mi); public Static final String ANSC-RESET = "LUDIBEOM"; Scanner De Sciner Scanner (System.in); Account (String name, String aceNO, String ace Type) of this c Name = rame; this acc Nom = acc No; this . ca Type = ace Typei Account () (); Class Consent Acc extends Account &
private Bobble balance = 5000, toate = 0.06; Coesent Acc (String name, String acc No, String acc Type) of Super (name, acc No, acc Type); System. out. println ("Welcome" + chame); Void get Balance () {

System.out. format ("Your balance: "If In", balance); Unil deposit (Souble amount) { Chaq choice;

System. Out. printle ("Deposit. Account holder: "+cNome +"Amount; "+ amount) System. out. printly ("Approve Osposit? (YIN):"); choice = Sc. next(). (har At (0); if (choice = = 'Y') | Choice = = 'y') of

totan balance + = amount; Systemout. println (ANSS-GREEN+ "Doposit approved.

Updated balance: "+ balance + ANSS-RESET); Jystem. out. point in (ANST-RED + "Deposit not approved"
+ ANST-RESET); I (trucomo soldos) maskitia bion dystem out printer (ANSI-RED+ "This account cannot withdrawany funds"+ ANSI-RESET); Void calcinterest() of; Void checkMin Amount 1) & if (balance < 3000) & balance = 500; System. Out. printly (ANSI-RED+ "Bobnie under minimum amount to be maintained." + ANST-RESET); System out pointen [ANSI-RED + "Penalty imposed. 3
updated balance: "+ balance + ANSI-REJET); 3

Page No.: Class Savings Acc extends Account &
pairate Souble balance : 6000, rate = 0.06; System. out. printer (" new to costomer:" + c Name); bystem.out. format ("Your balance: "of In", balance); It (throms elded) + is apple bids chas choice; System. out-printer ("Deposit. Account holder: "+c Name +" Amount: "+ amount); System.out. println ("Approve Deposit? (Y(S): "); -Choice = Sc. next(). CharAt (0); if (choice = = "Y" 11 con choice == "y") of balance + = amount; System. out. printer ANSI-GREEN + "Deposit approved. 9 updated balance: "+ balance + ANCI - RESET); 3 Calc Interest () CheckMin Amount (); Jelse dystem. out. println (ANSI-RED + "Deposit not approved"+ 0 ANSI-RESET); void careInterest() & Bouble Ci;

CE = balance * (Moth. pow ((1+ Rate / 100).2)); balance + = CZ; System. out print en CANSI-GREEN + "Intorest add."

Uptated balance: "+ babance + ANSI-RESET); I (Income stduck) washing Bigg Char choice; if (balance Lamount) { System out printer 1 NSI - RED+ "Account bakence Is lower than amount to be withdrawn + ANST-RESET); System out printen ("Approve" + c Name + " 's reguest for with Drawal? (YIN): "); Choice - Sc. next(). Char At (0); if (choice == 'Y' 11 choice = = 'y') } System out painter (ANS) - GREEN + " Withdrawal approved. Updated balance: + balance + ANSI-PESET, Check Min Amount (); Eyetem out. Printen (ANCT-RED+"WHARENDED not acpproved"+ ANST- PECET); Wil check Min Amount () of int min Amount = 3000, ponalty = 500; if (babace LminAmount) {

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0	Date: / /	
-	Dalance = penalty;	
3	System. out-printer (ANS) - RED + Balance under minimum	truome
-	To be maintained. " + ANST - RESE T);	
-	System. Out. printer & (ANSI-RED + "Penalty imposed. U	platel.
-	balance: " + balance + ADSS - RESET);	
-	1	
-	3	
-	3 to at to take and solarly altered the most age	
-	public class Prage of	
-	public static Void main (String[] args)?	
-	int (;	
3	Souble tempi	
9	1 1 100	
-	Othing name, acc No, acc Type;	
-		
0	Sconner SC = new Scanner (System in);	
-		
0	System. Out. println ("Exter Pame:");	
0	name - sc. next line ();	
0	System. out. printela ("Enter Account number:");	
9	acc No = Sc. next line ();	
-	System. out. printer (" Enter Account Type:");	
3	acc Type = sc. next line();	
-	believed Anadriageling in the	
-	if (accType.charAt(0)=='('){	
•	CorrentAcc a= new Current Acc (name, accesso = acc Tut	e).
•		
0	System.out. printen ("1. Deposit money In 2. withdraw 13. Display money In 4. Exit"); C = SC. next 3 nt();	more
0	n3. Display money In4. Exit");	9
9	c= sc. nex+2n+(); dd	
9	Switch (c) {	

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; (": Boxistag & as at toward softed " (" Enter amount to so & posited: "); temp = sc nox + Doble (); a. deposit (temp); System out, println ("Enter amount to be withdrawni"); temp = sc. next Double (); i (duny) cook Him. D Case 3: 1 a. get Babace (); break; default: System. Out. print on ("Entry the correct options"); I else is (acclype. CharAt (a) == 's') of Covingetice a = Town Savings Are Chame, are No, are Type System. out. printen ("I. Deposit money In2. withdraw money 123. Display would jud. Exit "); C= Sc. next 3nt(); case1: 4

System.out. print la (" Enter amount to be deposited: "); temp= Sc next Doubles (); a. deposit (temp); System out. pointen ("Enter amount to be wildraun:"); temps Sc. next Couple (); a. withdraw (temp); a. got Balance (); System oxit (0); Default: System. Out. printles ("Forter the correct options"); Lystem out point en ("Enter valid type ... Eziting");