paperism. hab Buogram 5 Develop a Java program to oceate a class Bank that maintains two kinds of account for its customers, one called savering account and the other current account. The savings account provider. compound insterest and withdrawal facilities Sout no Cheque book facelity. The current account eperoundes vheque book facelity but no interest Lurrent account tholders should also maidain minimum balance and if the balance falls below this level, a service inhargeres imposed. Createa class Account that stores customer name. account number and type of account. From this derive the classes cur-acct and sav-acct to make them more specific to their dreg. Include the necessary methods in order to achieve the following tasks: a) decept deposit from customer and update the balance 5) Dis play the balance c) Compute and deposite interest d) Permit with drawal and update balance Check for the minimum balance, impose henalty if necessary andupdate the balance. import java. lang. Math; class Account Storing name, accortype; in accino: double bal, dep; Scanner SS = new Scannor (System . En); void setd ()

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| | } | 1 |
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| | System. out. println ("Enter amount de withdrauon:"); | 1 |
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| | System. out. println ("Enter amount be withdrawn:"); amt = scan. next Int(); if (bal> = amt) ? bal = bal - amt; | |
| | System. out. println ("Enter amount be withdrawn:"); amt = scan. next Int(); y (bal > = amt) | |

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| | case 1: Cl. deposite (); break; | • |
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| obalance amount : 124456.0 | |
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| 2. Calculate interest | |
| 3 Withdraw | |
| 4. Display | |
| 5. Exit | |
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| Microsoft Windows [Version 10.0.22621.963] (c) Microsoft Corporation. All rights reserved. | | |
| <pre>C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank> javac bank_program.java</pre> | | |
| <pre>C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank>java Bank Enter your Name: aisha Enter your Account Number: 0932 Enter your Account type: (Savings/Current) Savings Enter the Bank Balance: 2344 Enter your choice: 1.Deposit 2.Penalty Check 3.Withdraw 4.Display 5.Exit 1 Enter the amount to be deposited: 23 BALANCE AMOUNT: 2367.0</pre> | | |
| BALANCE ANDON'T. 2307.0 | | |

| C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank>java Bank Enter your Name: aisha |
|---|
| Enter your Account Number: |
| 2342 |
| Enter your Account type: (Savings/Current) Current |
| Enter the Bank Balance: |
| 234234 |
| Enter your choice: |
| 1.Deposit |
| 2.Penalty Check |
| 3.Withdraw |
| 4.Display |
| 5.Exit |
| 4 |
| Name: aisha |
| Account Number: 2342 |
| Account Type: Current |
| Current balance is: 234234.0 |
| C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank> |

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C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank>java Bank
Enter vour Name:
aisha
Enter your Account Number:
23423
Enter your Account type: (Savings/Current)
Current
Enter the Bank Balance:
23434
Enter vour choice:
1.Deposit
2.Penalty Check
3.Withdraw
4.Display
5.Exit
C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank>
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```
C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank>java Bank
Enter your Name:
aisha
Enter your Account Number:
98665
Enter your Account type: (Savings/Current)
Current
Enter the Bank Balance:
234
Enter your choice:
1.Deposit
2.Penalty Check
3.Withdraw
4.Display
5.Exit
Enter Minimum balance & penalty amount if not followed:
234
No penalty
C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank>
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```
C:\Users\Aisha Taffazul\Desktop\notes\3rd sem\java programs\bank>java Bank
Enter your Name:
aisha
Enter your Account Number:
8732
Enter your Account type: (Savings/Current)
Current
Enter the Bank Balance:
12334
Enter your choice:
1.Deposit
2.Penalty Check
3.Withdraw
4.Display
5.Exit
Enter amount to be withdrawn:
2344
Enter Minimum balance & penalty amount if not followed:
1233
23
No penalty
Account Balance after withdrawal is:9990.0
```