```
Rajeshwari
  impost sava util Scanner
   class Account (
  Sking Cust-name, type;
   long account - num:
   double balance;
   Boolean Check-book;
  Statio double min = 500.0, sercharge = 100;
  Scanner in = new Scanner (System.in)
   void getdata() {
  System. out. println ("Enter the name of the Customer:")
    cust-name = in-nextline();
   System. out. println ("Entet the account number:")
   account - num = in nextlong().
   System. out. privella ("Enter balance amount:")
  balance = in next Double ();
  void display () (
  System. out. println (" austomer name: "+ cust_name);
 System out - partle ("Account number: "+ account - neon)
System-out-partly ("Current Balance: " + balance)
class Savings extends Account &
 double interest, rate = 0.03, withdraw _ ant.
 int n, time;
Scanner in = new Scanner (system in)
 void cale_ interest () {
 System. out. protectly (" Enter the time in years: ")
  time = in next (ut();
  System out pendly ("Enter number of Hems the interestes
  to be compounded ; ");
 n = in nextlit ();
```

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interest = balance * ( Math. por (( 1+ (vale fri)), (time * n)))
  balance + = Interest:
   System. ord. proutly (" The interest amound is " + interest).
  System ord. privilla ("Balance after calculating interest is:
 void methodeawal () (
System-out perntly ("Enter amount to be withdrawn. ").
nothdraw ant = 14. next Double ()
  if (balance > withdraw - ant)
    balance = withdraw-ant.
system out-proudly (" the balance amount is insufficient").
System - out - printly (" The total balance after withdrawal is
                                              : " t balance );
  void penalty () {
 Il balance (min) of
   balance = balance - Sercharge;
 Lyston out println (" the balance amount after the penalty: "+
     balance);
   System. out-partly (" No penalty is imposed.").
 uan Bank Maind
  public Static word main ( Sking angs [ ]) {
   int type;
   Savings 5 = new Savings ();
  Current c = new Current ():
  Scanner 55 = new Scanner ( system. in );
  System. out, partly (" enter the type of account: ");
   System out parntly (" Ealer 1 for Sayings and 2 for accent")
  type = 55. next Ind ();
```

Scanned with CamScanner

```
1} ( type = = 1) {
int withdow= 0;
s. getdeta ();
s. display ()
s. call-interest ();
System. out. perdlu ("Would you like to withdraw money from
                   your audunt ? ");
System. out purtly ("Entel 1 & yes and 2 of no: ")
withdew = 990. next Int ();
if ( withdraw == 1) {
  s. withdrawal ()
5. penalty ()
1 (type = = 2) {
not deposite = 0;
c. getdata ()
 c. display()
System. out. printlu (" Would you like to deposit money to
                    your account ? ");
System out peireller ("Entet 1 & yes and 2 if no: ");
depositt = ss. next tut ();
  of (deposit == 1) C
    c. getdeposit ();
  c. penulty ()
```

Enter the name of the customer: abc

Enter the account number:

12345

Enter the balance amount:

2500

Customer name:abc

Account number:12345

Current Balance: 2500.0

Enter the time in years:

Enter the number of times the interest is to be compunded :

The interestamount is:2652.25

The balanceafter calculating the interest is:5152.25 Mould you like to withdraw money from your account?

Enter 1 if yes and 2 if no:

Enter the amount to be withdrawn:

500

The total balance after withdrawal is:4652.25 No penalty is imposed.

C:\Users\staga\Desktop>_

```
Would you like to withdraw money from your account?
Enter 1 if yes and 2 if no:
Enter the amount to be withdrawn:
500
The total balance after withdrawal is: 4652.25
No penalty is imposed.
C:\Users\staga\Desktop>java BankMain
Enter the type of account:
Enter 1 for Savings and 2 for Current:
Enter the name of the customer:
XYZ
Enter the account number:
6789
Enter the balance amount:
3000
Customer name:xyz
Account number:6789
Current Balance:3000.0
Would you like to deposit money to your account?
Enter 1 if yes and 2 if no:
Enter the amount to be deposited:
2000
The total balance after deposition is:5000.0
No penalty is imposed.
C:\Users\staga\Desktop>.
```