

```

1  import java.util.Scanner;
2  public class projectATM7{
3      static String []idadl ={"sompotlnw007","bewza23114"};
4      static String []pwadl ={"0869484897","6030212031"};
5      static String []idusl = new String[999];
6      static String []pwusl = new String[999];
7      static int []sumSC = new int [999]; //string calculate
8      static double []money = new double[999];
9      static double []xds = new double[999]; //deposit
10     static double []xwd = new double[999]; //math wdl
11     static double []xwdl = new double[999]; //all withdrawl
12     static double []wd = new double[999]; //enter withdraw2
13     static double []xwd2 = new double[999]; //all & math wd2
14     static String sc4,sc5,sc6,qu,stri;//sc4&5=id&passUser,sc6=Account toTransfer
15     static int r,r1,n,t,tf; //tf=all transfer
16
17     public static int stringcal(String qu2,String sc1SC){
18         Scanner sc = new Scanner(System.in);
19         String check="true";
20         int sumSC=0;
21         do{
22             int xSC=0;
23             int dSC=1;
24             check="true";
25             sumSC=0;
26             for(int i2SC=0;i2SC<sc1SC.length()-1;i2SC++){
27                 dSC=dSC*10;
28             }for(int iSC=0;iSC<sc1SC.length() && check.equals("true");iSC++){
29                 switch(sc1SC.charAt(iSC)){
30                     case '0':xSC=0;break;
31                     case '1':xSC=1;break;
32                     case '2':xSC=2;break;
33                     case '3':xSC=3;break;
34                     case '4':xSC=4;break;
35                     case '5':xSC=5;break;
36                     case '6':xSC=6;break;
37                     case '7':xSC=7;break;
38                     case '8':xSC=8;break;
39                     case '9':xSC=9;break;
40                     default :check="false";
41                     System.out.println("-----Please Enter
42                     number-----");break;
43                 }
44                 if(check.equals("true")){
45                     xSC=xSC*dSC; dSC=dSC/10; sumSC=sumSC+xSC;
46                 }
47                 if(check.equals("false")){
48                     System.out.print(qu2);sc1SC=sc.nextLine();
49                 }
50             }while(check.equals("false"));
51             return sumSC;
52         }
53
54     public static void registerUser(){
55         Scanner sc = new Scanner(System.in);
56         System.out.println("===== Register User =====\n");
57         System.out.print("ENTER NEW ID\n>");
58         String sc1 =sc.nextLine();
59         System.out.print("ENTER NEW PASSWORD\n>");
60         String sc2 =sc.nextLine();
61
62         System.out.print("ENTER ID AGAIN \n>");
63         String sc3 =sc.nextLine();
64         System.out.print("ENTER PASSWORD AGAIN\n>");
65         String sc4 =sc.nextLine();
66
67         r1=r;
68         if(sc1.equals(sc3)&&sc2.equals(sc4)){
69             while(r1>=0){
70                 if(sc1.equals(idusl[r1])){
71                     System.out.println("-----Already
72                     Account-----");
73                     System.out.println("-----Please Register

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72         again-----");
73         registerUser();
74     }
75     r1--;
76     }
77     idus1[r]=sc1;
78     pwus1[r]=sc2;
79     System.out.println("-----Register Success-----");
80     press();
81 }else{
82     System.out.println("\n-----Register Fail-----");
83     System.out.println("----ID or Password Wrong!--Please Register
84     again----");
85     press();
86 }
87
88 public static void login(){
89     Scanner sc = new Scanner(System.in);
90     System.out.println("===== Admin Login
91     =====\n");
92     System.out.print("ENTER ADMIN ID\n>");
93     String sc1 =sc.nextLine();
94     System.out.print("ENTER ADMIN PASSWORD\n>");
95     String sc2 =sc.nextLine();
96
97     if(sc1.equals(idad1[0])&&sc2.equals(pwad1[0])||sc1.equals(idad1[1])
98     &&sc2.equals(pwad1[1])){
99         System.out.println("\n-----Login Success-----");
100        System.out.println(" Admin : "+sc1);
101        press();
102    }else{
103        System.out.println("\n-----Login Fail-----");
104        System.out.println("ID or Password Wrong! Please login again\n");
105        login();
106    }
107 }
108
109 public static void press(){
110     xds[n]=0;
111     xwd1[n]=0;
112     xwd2[n]=0;
113     tf=0;
114     Scanner sc = new Scanner(System.in);
115     System.out.println("-----");
116     System.out.println("PRESS 1 TO LOGIN USER PRESS 2 TO REGISTER \nPRESS 3 TO
117     BACK");
118     System.out.println("-----");
119     String press =sc.nextLine();
120
121     switch(press){
122         case "1" :user();break;
123         case "2" :r++;registerUser();break;
124         case "3" :login();break;
125         default :System.out.println("\nEnter only 1-3 number\n----Please Select
126         again----\n");
127         press();break;
128     }
129 }
130
131 public static void user(){
132     Scanner sc = new Scanner(System.in);
133     n=r;
134     xds[n]=0;
135     xwd1[n]=0;
136     xwd2[n]=0;
137     tf=0;
138     System.out.println("===== User Login
139     =====");
140     System.out.print("Enter Username\n>");
141     sc4 =sc.nextLine();
142     System.out.print("Enter Password\n>");
143     sc5 =sc.nextLine();

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139
140     while(n>0){
141         if(sc4.equals(idus1[n])&&sc5.equals(pwus1[n])){
142             System.out.println("\n-----Login Success-----");
143             System.out.println("  User : "+sc4);
144             press1234();
145         }
146         n--;
147     }
148     while(n==0){
149
150         if(sc4.equals(idus1[n])&&sc5.equals(pwus1[n])){
151
152             System.out.println("\n-----Login Success-----");
153             System.out.println("  User : "+sc4);
154             press1234();
155         }else{
156             System.out.println("\n-----Login Fail-----");
157             System.out.println("ID or Password Wrong! Please login
158             again\n");
159
160             press();
161         }
162     }
163 }
164
165 public static void press1234(){
166     Scanner sc=new Scanner(System.in);
167     System.out.println("----- MAINMENU -----");
168     System.out.println("Your Balance = "+money[n]+"");
169     System.out.println(">>PRESS 1 to Deposit\n>>PRESS 2 to Withdrawal");
170     System.out.print(">>PRESS 3 to Transferring\n>>PRESS 4 to Back\n>>PRESS 5 to
171     Get the receipt.\n");
172     String atm = sc.nextLine();
173     switch(atm){
174         case "1" :deposit();break;
175         case "2" :withdrawal();break;
176         case "3" :Transferring();break;
177         case "4" :press();break;
178         case "5" :receipt();break;
179         default :System.out.println("\nEnter between 1-5\n-----Please
180         Select again-----\n");
181         press1234();break;
182     }
183 }
184
185 public static void deposit(){
186     Scanner sc = new Scanner(System.in);
187     System.out.println("\n===== Deposit =====");
188     if(sc4.equals(idus1[n])&&sc5.equals(pwus1[n])){
189         System.out.println("Your Balance = "+money[n]);
190
191         System.out.println("\n>>ENTER A: Deposit 1000 Baht\n>>ENTER B: Deposit
192         500 Baht");
193         System.out.print(">>ENTER C: Deposit 100 Baht\n>>ENTER D: Deposit 50
194         Baht\n>>ENTER E: Return to Mainmenu\n");
195         String sc6 = sc.nextLine();
196         switch(sc6){
197             case "A" :System.out.println("\nYour Balance = "+(money[n]
198             ==money[n]+1000)+"");
199
200                 xds[n]=xds[n]+1000;depositAgain();break;
201
202             case "B" :System.out.println("\nYour Balance = "+(money[n]
203             ==money[n]+500)+"");
204                 xds[n]=xds[n]+500;depositAgain();break;
205
206             case "C" :System.out.println("\nYour Balance = "+(money[n]
207             ==money[n]+100)+"");
208                 xds[n]=xds[n]+100;depositAgain();break;

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197
198         case "D" :System.out.println("\nYour Balance =
"+(money[n]=money[n]+50)+"\n");
199             xds[n]=xds[n]+50;depositAgain();break;
200
201         case "E" :press1234();break;
202         default :System.out.println("\nEnter between
A-E\n-----Please Select again-----\n");
203             deposit();break;
204     }
205 }
206 }
207
208 public static void depositAgain(){
209     Scanner sc = new Scanner(System.in);
210     System.out.print("-Enter 1 to Select another list      -Enter 2 to Deposit
again\n-Enter 3 to Get the receipt.\n>");
211     String sc7 =sc.nextLine();
212     switch(sc7){
213         case "1" :press1234();break;
214         case "2" :deposit();break;
215         case "3" :receipt();break;
216         default :System.out.println("-----Please Select 1-3
again-----");depositAgain();break;
217     }
218 }
219
220 public static void withdrawal(){
221     Scanner sc = new Scanner(System.in);
222     System.out.println("\n===== Withdrawal
===== \n");
223     System.out.println("-Press A to Choose Bill      -Press B to Enter Money for
Withdrawal      -Press C Return to MainMenu.");
224     String sc10 = sc.nextLine();
225
226     int a1,a2,a3,a4;
227     switch(sc10){
228         case "A"
                :if(sc4.equals(idus1[n])&&sc5.equals(pwus1[n])){
229
230                 System.out.println("Your Balance = "+money[n]+" \n");
231                 System.out.println("-Enter 1 - 1000 Baht bill      -Enter 2
- 500 Baht bill      -Enter 3 - 100 Baht bill");
232                 System.out.print("-Enter 4 - 50 Baht bill      -Enter 5
to Back\n>");
233                 String sc11 = sc.nextLine();
234                 switch(sc11){
235                     case "1" :System.out.print("1000 Baht bill----->
");
236
237                         stri=sc.nextLine();
238                         qu="1000 Baht bill -----> ";
239                         a1=stringcal(qu,stri);
240
241                         a1 = a1*1000;
242                         xwd[n]
243                         =xwd[n]+a1;
244
245                     case "2" :System.out.print("500 Baht bill----->
");
246
247                         stri=sc.nextLine();
248                         qu="500 Baht bill -----> ";
249                         a2=stringcal(qu,stri);
250
251                         a2 = a2*500;
252                         xwd[n] =xwd[n]+a2;
253                     case "3" :System.out.print("100 Baht bill----->
");
254
255                         stri=sc.nextLine();
256                         qu="100 Baht bill -----> ";
257                         a3=stringcal(qu,stri);
258
259                         a3 = a3*100;

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254         xwd[n] =xwd[n]+a3;
255         case "4" :System.out.print("50    Baht bill----->
");
256         stri=sc.nextLine();
257         qu="50    Baht bill -----> ";
258         a4=stringcal(qu,stri);
259
260         a4 = a4*50;
261         xwd[n]
        =xwd[n]+a4;
262
263         if(money[n]>=xwd[n]){
264             money[n]=money[n]-xwd[n];
265             System.out.println("\nYour Balance
        = "+money[n)+"\n");
266             xwd1[n]=xwd1[n]+xwd[n];
267             xwd
                [n]=0;
268
269             withdrawalAgain();
270
271             }else{
272
273                 System.out.println("\n-----Not
        Enough Money--Please Select
        Again!-----");
274                 System.out.println("Your Balance =
        "+money[n]);
275
276                 xwd[n]=0;
277
278                 withdrawal(); }break;
279
280         case "5"
281         :withdrawal();break;
282
283         default:System.out.println("\n-----Please
        Select 1-5
        again-----");withdrawal();break;
284     }
285 }
286
287 case "B" :if(sc4.equals(idus1[n])&&sc5.equals(pwus1[n])){
288     System.out.println("\nYour Balance =
        "+money[n)+"\n");
289     System.out.print("Enter Money to Withdrawal \n>");
290
291     stri=sc.nextLine();
292     qu="Enter Money to Withdrawal : \n>";
293     wd[n]=stringcal(qu,stri);
294
295     if(wd[n]>money[n]){
296         System.out.println("\n-----Not Enough Money--Please
        Select Again!-----");
297         System.out.println("Your Balance = "+money[n]);
298         withdrawal();
299     }
300     xwd2[n]=xwd2[n]+wd[n];
301     money[n]=money[n]-wd[n];
302
303     System.out.println("\nYour Withdrawal = "+wd[n]+" Baht");
304     System.out.println("Your Balance      = "+money[n]+"
        Baht\n");
305     withdrawalAgain(); }break;
306 case "C" :press1234();break;
307 default :System.out.println("\nEnter between A-C\n----Please Select
        again----\n");
308     withdrawal();break;
309 }
310 }
311
312 public static void withdrawalAgain(){

```

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303 Scanner sc = new Scanner(System.in);
304 System.out.print("-Enter 1 to Select another list          -Enter 2 to
Withdrawal again\n-Enter 3 to Get the receipt.\n>");
305 String sc9 =sc.nextLine();
306 switch(sc9){
307     case "1" :press1234();break;
308     case "2" :withdrawal();break;
309     case "3" :receipt();break;
310     default :System.out.println("-----Select 1 - 3
again-----");withdrawalAgain();break;

311 }
312 }
313
314 public static void Transferring(){
315     t=r;
316     int tt;
317     System.out.println("===== Transferring =====");
318     Scanner sc = new Scanner(System.in);
319     System.out.print("Enter Account to transfer \n>");
320     String sc8 =sc.nextLine();
321     System.out.println("\nYour Balance = "+money[n]+\n");
322     System.out.print("Enter Money transfer\n>");
323     //tt =sc.nextInt();
324
325     stri=sc.nextLine();
326     qu="Enter Money transfer\n>";
327     tt=stringcal(qu,stri);
328
329     while(t>0){
330         if(sc8.equals(idus1[t])){
331             if(tt>money[n]){
332                 System.out.println("-----Not enough money--Please transfer
again-----");
333                 Transferring();
334             }else if(sc8.equals(idus1[n])){
335                 System.out.println("\n-----You can not Transfer to your
Account-----\n");
336                 press1234();
337             }
338             money[n]= money[n]-tt;
339             money[t]= money[t]+tt;
340
341             tf =tf+tt;
342             System.out.println("\n-----Transfer
Success-----\n");
343             System.out.println("You Transfer to Account"+"("+sc8+")"+" :
"+tt+".0 Baht\n");
344             press1234();
345         }
346         t--;
347     }
348     while(t==0){
349         if(sc8.equals(idus1[t])){
350             if(tt>money[n]){
351                 System.out.println("-----Not enough money--Please transfer
again-----");
352                 Transferring();
353             }else if(sc8.equals(idus1[n])){
354                 System.out.println("\n-----You can not Transfer to your
Account-----\n");
355                 press1234();
356             }
357             money[n]= money[n]-tt;
358             money[t]= money[t]+tt;
359
360             tf =tf+tt;
361             System.out.println("-----Transfer
Success-----\n");
362             System.out.println("You Transfer to Account"+"("+sc8+")"+" :
"+tt+".0 Baht\n");
363             press1234();
364         }else{

```

```

365         System.out.println("\n-----Account Fail-----");
366         System.out.println("-----Account Wrong!--Please transfer
again-----\n");

367         press1234();
368     }
369 }
370
371
372 public static void receipt(){
373     System.out.println("\n\n\n\n\n-----");
374     System.out.println("----- RECEIPT -----");
375     System.out.println("-----\n");
376     if(sc4.equals(idus1[n]) && sc5.equals(pwus1[n])){
377         System.out.println("-----> All Deposit : "+xds[n]+" Baht");
378         System.out.println("-----> All Withdrawal : "+(xwd1[n]+xwd2[n])+" Baht");
379         System.out.println("-----> All Transfer : "+tf+" Baht");
380         System.out.println("-----> Your Balance = "+money[n]+" Baht");
381     }
382     System.out.println("\n\n\n\n\n-----");
383     System.out.println("-----");
384     System.out.println("-----\n");
385     press();
386 }
387
388 public static void main (String[] args){
389     idus1[0] = "test";
390     pwus1[0] = "test";
391     System.out.println ("\n===== Welcome to ATM =====");
392     login();
393 }
394 }
395
396

```