

PRACTICE PROGRAM 1- ATM SIMULATOR (JAVA)

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ref: <https://studump.payperlez.com>

1. Write a program that simulates the ATM interface.
 - Use a do-while loop to display 6 services to the user
 - Get the user input and display sub-menus appropriately

SOLUTION

```
import java.util.Scanner;
public class AtmSimulator {

    public static void main(String[] args) {
        Scanner accept = new Scanner(System.in);
        int acc_bal = 100, wD, depo, npin, amt;

        do
        {
            Menu1();
            int UserInput = accept.nextInt();

            switch (UserInput) {

                case 1:

                    System.out.print("Enter money to be withdrawn:");
                    wD = accept.nextInt();
                    if(acc_bal >= wD)
                    {
                        acc_bal = acc_bal - wD;
                        System.out.println("Please Receive your withdrawn money!");
                    }
                    else
                    {
                        System.out.println("Insufficient Balance");
                    }
                    System.out.println("");

                break;

                case 2:
                    System.out.print("Enter money to be deposited:");
                    depo = accept.nextInt();
                    acc_bal = acc_bal + depo;
                    System.out.println("Your Money has been successfully deposed");
                    System.out.println("New Balance: " + acc_bal);
                    System.out.println("\n");
            }
        }
    }
}
```

```
break;
```

```
case 3:
```

```
    System.out.println("Your Balance: " + acc_bal);  
    System.out.println("\n");
```

```
    break;
```

```
case 4:
```

```
System.out.print("Enter Amount to transfer: ");  
amt = accept.nextInt();  
System.out.println("You have successfully transfered " + amt);  
acc_bal = acc_bal - amt;  
System.out.println("New Balance: " + acc_bal);  
System.out.println("\n");
```

```
break;
```

```
case 5:
```

```
    System.out.print("Enter new pin: ");  
    npin = accept.nextInt();  
    System.out.println("Your New Pin is: " + npin );  
    System.out.println("Your Pin has been changed Successfully !" );  
    System.out.println("\n");
```

```
break;
```

```
case 6:
```

```
    System.exit(0);
```

```
    break;
```

```
default :
```

```
    System.out.println("Invalid choice");
```

```
}
```

```
}while(true);
```

```
}
```

```
public static void Menu1() {  
    // TODO Auto-generated method stub  
    System.out.println("MENU");  
    System.out.println("1) Withdrawal");  
    System.out.println("2) Deposit");  
    System.out.println("3) Check Balance");  
    System.out.println("4) Funds Transfer");  
    System.out.println("5) Change Pin");  
    System.out.println("6) Exit ATM");  
    System.out.print("Enter Choice : ");  
}
```

```
}
```

```
}
```