**Algorithm for ATM withdrawal**

1.Start

2.Create variables of suitable datatypes to collect user details

* Name – string
* Acct-Integer
* Balance –Real
* Pin- string
* Min- real

3. Get values for name, acct, balance and pin from user.

4. if pin is not of four digits. Then it is invalid and transaction cant be done

5. assign value of min as 500

6. If balance< =min then withdrawal cant be done. In any other case withdrawal can be done.

7. create variable amt of real datatype

8. get value of amt from user

9. create variable secret of datatype integer

10. get value of secret from user.

11. if the values of pin and secret are the same then the amount to be withdrawn should be checked. If not then withdrawal cant take place.

12. if amt>balance then withdrawal cant happen. Otherwise withdrawal can take place.

13. Display balance-amt as current balance to user.

14. if balance-amt < 500 then output should be please deposit money to maintain minimum balance otherwise you may get penalized.

15. display thank you for using our atm.

16. stop