

LAB 6 – ATM Simulation Program

Python Instructions Needed for This Lab

Selection Control

if statement: e.g., if age == 21:

```
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----
```

e.g., if name == 'John':

```
----  
  
----
```

Iterative Control

while statement: e.g., while num > 0:

```
----  
----
```

Task

Develop and test a Python program that simulates the actions of an ATM. The program should prompt the user for a particular PIN (4-digit number) in order to sign in. If the PIN does not match the 4-digit PIN stored in the program, then the user is continually prompted until the correct PIN is entered.

Write the program so that there is an initial balance of \$1,000 in the user's account. The following commands should be provided to the user:

```
'B' - to check account balance  
'D' - to make a deposit  
'W' - to make a withdrawal
```

If a withdrawal is done that exceeds the amount of money currently in the account, then an "Account Balance Exceeded" error message should be displayed.

What to Turn In

- Python program file (uploaded to BlackBoard)