1: #include<iostream>

2:

3: using namespace std;

4:

5: int main(){

6: int pin = 0000;//default pin

7: int balance = 1000; //default balance

8: int wrong\_pin\_count=0;

9: int choice;

10: int receiver;

11:

12:

13: cout<<"welcome to Mobile Money Service"<<endl;

14: cout<<"1. Autthenticate"<<endl;

15: cout<<"2. Reset/change Pin"<<endl;

16: cout<<"3. Check Balance"<<endl;

17: cout<<"4. Send Money"<<endl;

18: cout<<"5. Exit"<<endl;

19: cout<<"ENTER YOUR CHOICE: ";

20: cin>>choice;

21:

22: switch (choice){

23: case 1:{

24: int entered\_pin;

25: cout<<"PLEASE ENTER YOUR PIN:\n ";

26: cin>>entered\_pin;

27:

28:

29: if(entered\_pin==pin){

30: cout<<"Authentication successful"<<endl;

31: wrong\_pin\_count=0;//reset wrong pin

32: }

33:

34: else{

35: cout<<"Authentication failed!"<<endl;

36: wrong\_pin\_count++;

37:

38:

39: }

40: if(wrong\_pin\_count ==3){

41: cout<<"TOO many attempts. Exiting program"<<endl;

42: return 0;

43: }

44: break;

45: case 2:{

46: int new\_pin;

47: cout<<"ENTER YOUR NEW PIN:";

48: cin>>new\_pin;

49: pin==new\_pin;

50: cout<<"PIN changed successfully!"<<endl;

51: break;

52: case 3:{

53: cout<<"Please enter your pin: ";

54: cin>>pin;

55: if(pin==pin){

56: cout<<"Your current balance is "<<balance<<".00GHC";

57: }

58: else if(entered\_pin!=pin){

59: cout<<"Incorrect pin";

60: }

61:

62: break;

63: }

64: case 4:{

65: float amount;

66: cout<<"ENTER AMOUNT YOU WANT TO SEND: ";

67: cin>>amount;

68:

69: if(amount>balance){

70: cout<<"Insufficient balance!"<<endl;

71:

72: }

73: else{

74:

75: cout<<"Enter the reciever's mobile money number: ";

76: cin>>receiver;

77:

78: balance-=amount;

79: cout<<"okay"<<endl;

80:

81: cout<<"Please enter your pin: ";

82: cin>>pin;

83: }

84: if(pin==pin){

85: cout<<"An amount of "<<amount<<" has been sent to "<<receiver<<" successfully"<<endl

86: }

87: else{

88: cout<<"Incorrect mobile money pin";

89: return 0;

90: }

91: }

92: }

93: case 5:{

94: cout<<"Exiting program...."<<endl;

95: return 0;

96: break;

97: default:{

98: cout<<"Invalid choice. Please try again."<<endl;

99: break;

100: }

101: }

102: }

103:

104: return 0;

05: }

106: }