Task 1

Create a Class BanKAccount ,class has two variables accountHolderName and Balance ,class has three data Methods **set\_initial\_balance (int amount**),deposit (int amout) and withdraw(int amout).Imagine John Doe has been using his bank account for a while. He started with an initial balan ce of $1000. John recently received a paycheck of $1500 and decided to deposit the entire amount into his account. After the deposit, he realized he had some bills to pay, including a rent of $800 and a utility bill of $200.

1. **Describe the series of actions John takes with his bank account based on the given C++ code. Include the transactions, resulting balances, and any relevant messages printed by the program.**
2. **If John tries to withdraw $1200 after depositing his paycheck, what would be the outcome? Explain the logic based on the code.**
3. **What would be the final balance in John's account after he deposits his paycheck, pays the rent, and settles the utility bill? Provide the steps and the resulting balance.**