

```

1 public class JavaBank {
2     public static void main(String[] args) {
3         System.setProperty("java.awt.headless", "true");
4         JavaBank bank = new JavaBank();
5         bank.createAccount();
6         bank.makeTransaction();
7     }
8     public void createAccount() {
9         try {
10             System.out.println("Account created successfully.");
11         } catch (Exception e) {
12             System.err.println("Error creating account: " + e.getMessage());
13         }
14     }
15     public void makeTransaction() {
16         try {
17             System.out.println("Transaction successful.");
18         } catch (Exception e) {
19             System.err.println("Error making transaction: " + e.getMessage());
20         }
21     }
22 }

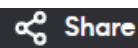
```

```
java -cp /tmp/m12smFRki1/JavaBank
```

```
Account created successfully.
```

```
Transaction successful.
```

```
=== Code Execution Successful ===
```



```
1 class AccountCreationException extends Exception {
2     public AccountCreationException(String message) {
3         super(message);
4     }
5 }
6 class TransactionException extends Exception {
7     public TransactionException(String message) {
8         super(message);
9     }
10 }
11 public class JavaBank {
12     public void createAccount(String name, double initialBalance) throws
        AccountCreationException {
13         try
14             if (name == null || name.isEmpty()) {
15                 throw new AccountCreationException("Invalid account holder name");
16             }
17             if (initialBalance < 0) {
18                 throw new AccountCreationException("Initial balance cannot be negative"
19                 );
20             }
21             System.out.println("Account created for " + name + " with initial balance: "
22             + initialBalance);
23         } catch (AccountCreationException e) {
24             System.err.println("Error creating account: " + e.getMessage());
25             throw e;
26         } catch (Exception e) {
27             System.err.println("An unexpected error occurred while creating the account:
28             " + e.getMessage());
29             throw new AccountCreationException("An error occurred while creating the
30             account");
31         }
32     }
33 }
```

```
java -cp /tmp/R8vamSHU11/JavaBank
Account created for John Doe with initial balance: 1000.0
Deposit of 500.0 made.
Error making transaction: Transaction amount must be positive
Transaction amount must be positive

=== Code Execution Successful ===
```