

**Ex.No: 4**

**PROGRAM TO DEMONSTRATE Exception Handling mechanism IN JAVA**

**24/09/2020**

- a) Consider the banking service as an application to be created for 'N' customers where the account number should be automatically assigned to everyone in sequence. Create a class AccountDetails which has the account number, and balance. Create another class named as CustomerDetails such as name, age, address and phone number. Write methods for reading the details of customers, withdraw, and deposit of money as part of transactions. Raise an exception if the input type is wrong.
- b) Create a class Product with the following attributes:
- a. productID int,
  - b. productName String
  - c. cost double
  - d. availableStatus Boolean

Make use of constructors and display methods wherever necessary. Create another class ProductDemo, and implement array of objects for Product class. Display all the product details. Implement search for given productID. If product is not available, raise a user-defined exception named as ProductNotFoundException.