

**KIRANKUMAR D NATIKAR**

**EMPID: 2576955**

**ALGORITHM:**

## **Algorithm**

- Import the necessary packages and classes.
- Define the `ProductClass` class with private instance variables `id`, `name`, and `price`. Provide a constructor to initialize these variables.
- Implement the getter and setter methods for the instance variables.
- Define the `getProductDetails` method in the `ProductClass` class. Inside the method, create an `ArrayList` called `productList`.
- Add a new `ProductClass` object to the `productList` using the constructor parameters.
- Iterate over the `productList` and print the product details (ID, name, and price).
- Return the `productList`.
- Create the `Product` servlet class that extends `HttpServlet`.
- Override the `doGet` and `doPost` methods.
- Implement the `processRequest` method. Get the request parameters for `id`, `name`, and `price`.
- Create a new `ProductClass` object with the provided parameters.
- Get the session object and set the `product1` object as an attribute.
- Set the `product1.getProductDetails()` as a request attribute.
- Forward the request and response to "profile.jsp" using the `RequestDispatcher`.
- Create the "index.jsp" file with a form to input product details.
- Create the "profile.jsp" file to display the product details.
- Retrieve the product details from the request attribute and iterate over the list to display the details in a table.
- Create the "pom.xml" file with the necessary project configurations and dependencies.