

### **Algorithm**

1. Start
2. Create a string array of email id's.
3. Take an email address as user input.
4. Define a regular expression pattern to match email IDs in the form "name@abc.com".
5. If the user-input email id is of the pattern then go to step 7.
6. Else print "Enter valid email id"
7. Check whether the given email id is present in the array using for loop and equals()
8. If the string is found in the array, then print "The given Email ID is present." and break the loop.
9. Else if the string is not equals to any string in the array, then print "The given Email ID is not present."
10. Stop.