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package com.simplilearn.ValidationofEmailId;
import java.util.Arrays;
import java.util.List;
import java.util.Scanner;
import java.util.regex.Matcher;
import java.util.regex.Pattern;

public class ValidationofEmailId {

    static String [] dataBase=
{"Kalam@wwc.com","Aishu@gmail.com","Rahul@outlook.net"};

    public static void main(String[] args) {
        System.out.println("---- Welecome To ID Verfication app by
Dudekula Kalam Basha--- ");
        Scanner inp= new Scanner(System.in);
        String userID;
        while (true){
            System.out.println("---- Please Enter your User ID--- ");
            userID = inp.next();
            while(VerfiyFormate(userID))
            {
                System.out.println("---- Please Enter your User ID with
valid formate ex: eamaple@domain.xcom --- ");
                userID = inp.next();
            }

            VerfiyID(userID);

            System.out.println("");

        }
    }

    private static void VerfiyID(String ID)
    {
        boolean accessFlag= false;
        for(String id : dataBase)
        {
            if(ID.equalsIgnoreCase(id))
            {
                accessFlag=true;
                System.out.println("access grant to "+ ID );
                break;
            }
        }

        if(accessFlag==false)
        {
            System.out.println("access deined to "+ ID );
        }
    }
}

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    }

}

private static boolean VerfiyFormate(String ID)
{
    String regex = "[A-Za-z0-9+_.-]+@(.+)$";

    Pattern pattern = Pattern.compile(regex);
    Matcher matcher = pattern.matcher(ID);

    if(!matcher.matches())
    {
        return true;
    }else
    {
        return false;
    }
}
}

```