1. WAP to check if the given contact number is valid or invalid using regular

expressions-

(Summary: Different country has a different type of representation on how they write their contact

numbers, and the same number can be written in all kinds of other formats, so you have to

analyse if the given number is valid or not based on your understanding).

Examples of different formats of numbers found on websites:

● 2124567890

● 212-456-7890

● (212)456-7890

● (212)-456-7890

● 212.456.7890

● 212 456 7890

● +12124567890

● +12124567890

● +1 212.456.7890

● +212-456-7890

● 1-212-456-7890

As we can see above these are all the same numbers written in a different format, but they all are

valid numbers. If you cannot prove all of them to be valid numbers, hoping to have at least 5 of

them correctly to pass this.

HINT: The standard format is - [+][country code][area code][local phone number]

Java Code:

**package** maccess;

**import** java.util.\*;

**public** **class** DemoExam {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

String phNo[] = {"2124567890", "212-456-7890", "(212)456-7890", "(212)-456-7890",

"212.456.7890", "212 456 7890", "+12124567890", "+12124567890",

"+1 212.456.7890","+212-456-7890", "1-212-456-7890"};

System.***out***.println("===PhNo are likes below===");

**for**(**int** i=0; i<phNo.length;i++) {

String str = phNo[i].replaceAll("[-,.()]"," ");

str.trim();

**if**(str.length()>= 12) {

System.***out***.println(str.toString());

**if**(str.substring(0, 2) == "+1") {

System.***out***.println(str.toString());

}

}**else** {

}

}

s.close();

}

}

------------------output---------------

===PhNo are likes below===

212 456 7890

212 456 7890

212 456 7890

212 456 7890

212 456 7890

+12124567890

+12124567890

+1 212 456 7890

+212 456 7890

1 212 456 7890

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2. WAP to get the Social Links, Email & Contacts details of a website on user input.

Input:

https://ful.io

Output:

Social links -

https://www.facebook.com/fulioTech/

https://www.linkedin.com/company/ful-io/

Email/s-

support@ful.io

Contact:

+1 343 303 6668

ANS:

Java Code:

**package** maccess;

**import** java.util.\*;

**public** **class** DemoExam2 {

**public** **static** **void** main(String[] args) {

Scanner s = **new** Scanner(System.***in***);

System.***out***.println("Enter a user Pre\_link");

String str = s.nextLine();

String st = str.replace("https://", "");

//System.out.println(st);

DemoExam2 ob = **new** DemoExam2();

ob.socialLinks(st);

ob.email(st);

ob.contacts();

s.close();

}

**public** **void** socialLinks(String str){

System.***out***.println("\n===Social links are===");

String st = str.replace(".", "");

//System.out.println(st);

String link1 = "https://www.facebook.com/\*Tech/";

String s1 = link1.replace("\*", (st));

System.***out***.println(s1.toString());

String stri = str.replace(".", "-");

String link2="https://www.linkedin.com/company/\*/";

String s2 = link2.replace("\*", (stri));

System.***out***.println(s2);

}

**public** **void** email(String st) {

System.***out***.println("\n===Email is===");

String str = "support@";

System.***out***.println(str.concat(st));

}

**public** **void** contacts() {

System.***out***.println("\n===Contacts no is===");

String s1 = "343 303 6668";

String s2 = "+1 ";

System.***out***.println(s2.concat(s1));

}

}

-------------------------------Output----------------------------------

Enter a user Pre\_link

https://ful.io/

===Social links are===

https://www.facebook.com/fulio/Tech/

https://www.linkedin.com/company/ful-io//

===Email is===

support@ful.io/

===Contacts no is===

+1 343 303 6668

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3. One-Line Answers (Answers to be written on .txt file)-

A. What is reverse-i-search in a Linux terminal?

ANS->  **find past commands**

B. How do you list out the hidden directories using Linux command line tool?

**ANS-> Navigate to home directory with the cd command and doing a listing of all files using ls.**

C. How comfortable are you with using Linux-based OS like Ubuntu, Centos, etc?

ANS-> **It’s highly customizable, secure, and stable**

D. Have you ever used Servers to host any web applications in the past? If yes, what

services did you set up (Like- Apache/Nginx/FTP/SMTP, etc)?

**Ans-> No web Applications but I developed websites and published by using Github.**

https://dvrgj.github.io/portfolio/