

---

# System Requirements Specification Index

For

## Python Skills Evaluation

Version 1.0

IIHT Pvt. Ltd.  
fullstack@iiht.com

## USE CASE DESCRIPTION

---

### Use Case 1

Write a python program on regular expression to check whether given mail id (of gmail and yahoo) is valid or not.

**Rules:**

1. Mail id must contain username and domain name.
2. Mail id must start with an alphabet.
3. Mail id may include special characters only. and \_ and @
4. Mail id must contain at least one alphabet
5. Mail id should end with only the following domains.

@gmail.com

@gmail.co.in

@gmail.co.uk

@yahoo.com

@yahoo.co.in

@yahoo.co.uk

**Write the regular expression to satisfy the above rules of mail ids.**

**Input:**abc@gmail.com

**Output:** TRUE

### Description

1. Take email id as console input in **main ()** method, from user.
2. Pass this email id to method **validate\_email\_id(email\_id)** and write the logic in that method to validate email id.
3. Finally return the result as "TRUE" if email is valid or "FALSE" if email is invalid from the method **validate\_email\_id(email\_id)** to main() and display it.

## Use Case 2

Write a python program on regular expression to check whether given mobile number (of 10/11/12/13 digits or characters) is valid or not.

**Rules:**

1. Mobile number is basically 10 digits.
2. Each 10-digit mobile number should start either 9 or 8 or 7 or 6 only.
3. Optional prefix of mobile number can be 0 or 91 or +91
4. Minimum characters of mobile number representation is 10 and max 13 characters Including prefix.

Write the regular expression to satisfy the above rules of mobile number.

**Input:** 9493401968

**Output:** TRUE

### Description

1. Take mobile number as console input in **main ()** method, from user.
2. Pass this mobile number to method **validate\_mobile\_number(number)** and write the logic in that method to validate mobile number.
3. Finally return the result as “TRUE” if mobile number is valid or “FALSE” if mobile number is invalid from the method **validate\_mobile\_number(number)** to **main()** and display it.

### Execution Steps to Follow:

1. All actions like build, compile, running application, running test cases will be through Command Terminal.
2. To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) -> Terminal -> New Terminal.
3. The editor Auto Saves the code.
4. If you want to exit(logout) and to continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.
5. These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.
6. To run application for use case1 use the following command  
`python3 validate_email_id.py`
7. To run application for use case2 use the following command  
`python3 validate_mobile_number.py`
8. Mandatory: Before final submission run the following command  
`python3 -m unittest`
9. Once you are done with development and ready with submission, you may navigate to the previous tab and submit the workspace. It is mandatory to click on “Submit Assessment” after you are done with code.
10. You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.

-----\*-----