# Department of Computer Science and EngineeringAbout Us - SRMAP

## SRM University–AP

## Python: Code2Xplore – 60 Days Challenge

## DAY-1 Submission Template

***Challenge Title: User Profile Validation System***

***Subject: Hands on Python***

***Course Code: CSE205***

***Concerned Teacher: Dr. Yasir Afaq***

## Student Details

Student Name: V. Komal Sivaram Register Number: AP24110010764

Section: ‘J’

Date of Submission: 29-01-2026

GitHub Repository Link (Mandatory): https://github.com/xosivaram2007/Python\_Lab\_Daily\_Challenges

## Challenge Understanding

From this challenge, we can expect the code to work out as a verification process of a user details whether the profile is VALID or NOT. By using several conditions and string techniques, we can identify and check upon if the entered details are valid and if the user profile is valid overall, by implementing the concepts of the different data types and conditions.

## Validation Rules Implemented

## For FULL NAME, it must not start or end with a space and need to contain atleast two characters. For the EMAIL section, it must contain the character “@” and also the character “.”, the email must not start with the character “@”.

For the MOBILE number, the mobile number must contain 10 digits specifically, and it must not start with 0.   
For the AGE, the age must range around 18 to 60 inclusive.

## Approach / Logic Used

The specified program takes the input from the user for the required details and credentials such as the name, email, mobile number, and age.   
The conditional statements of nested if are used to solve this program which runs as the main logic behind this.   
After the input is taken, it checks if the name is given proper spacing, and the email if the special characters are used, and also checks for the phone number whether if it’s a 10 digit numbered or not, alongside with age being in the range of 18 to 60.   
if all of these conditions are passed, then the user profile given is VALID or else it prints out the user profile is INVALID.

## Algorithm / Steps

1.Run the program  
2.Give the input for the user’s name, age, number and email id,   
3. Checking if the input details are valid according to the conditions.   
4. Verification of the details throughout the nested if loops.   
5. If everything is verified and passed down through the loops, the user profile is VALID, or else its INVALID.   
6. Exit the program.

## Python Program

user\_name=str(input("Full Name:"))  
email\_id=str(input("Email:"))  
ph\_number=str(input("Mobile:"))  
age=int(input("Age:"))  
if user\_name[0] != " " and user\_name[len(user\_name)-1] != " " and " " in user\_name:  
 if email\_id[0] != "@" and email\_id.count("@") == 1 and "." in email\_id:  
 if ph\_number[0] != "0" and len(ph\_number) == 10 and ph\_number.isdigit():  
 if 18 <=age<= 60:  
 print("User Profile is VALID")  
 else:  
 print("User Profile is INVALID")  
 else:  
 print("User Profile is INVALID")  
 else:  
 print("User Profile is INVALID")  
else:  
 print("User Profile is INVALID")

## Test Case Verification

Verify your program using the instructor-provided test cases.  
**Test Case 1 Output:**Full Name: Yasir Afaq  
Email: [yasir@gmail.com](mailto:yasir@gmail.com)  
Mobile: 9622949937   
Age: 29  
User Profile is VALID **Test Case 2 Output:** Full Name: Yasir  
Email: yasirgmail.com   
Mobile: 0876543210   
Age: 17  
User Profile is INVALID **Test Case 3 Output:** Full Name: Yasir Afaq   
Email: @gmail.com   
Mobile: 98765abc10  
Age: 45  
User Profile is INVALID

## Learning Outcome

Throughout this program, I understood how I can take input from the user and validate it throughout the conditional statements. I clearly understood the topics of conditional statements and also nested loops, for the decision making scenarios, it also helped me practise the string operations alongside with logic conditions and input validation.

## Student Declaration

I hereby declare that this submission is my own original work. I have not copied the code from any AI tool or online source. I understand that plagiarism will result in ZERO marks.  
  
Student Signature: Valluru Komal Sivaram Date: 29th January, 2026

***Faculty In charge:***

***--dryasir***