

Department of Computer Science and Engineering

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:Hari Krishna Register Number: AP24110011645

Section: J

Date of Submission: 31/01/2026

GitHub Repository Link (Mandatory): <https://github.com/Mashle001/Python.git>

Challenge Understanding

This challenge helps to understand the **input handling, condition checking, and basic logic building**Validation

Explain how you validated Full Name, Email ID, Mobile Number, and Age.

Full name is verified to ensure it is not empty and contains only alphabets and space

the email id is checked that it contains @ and . with no spaces

the mobile is checked that it has 10 digits

and age is checked to confirm it is numeric

Approach / Logic Used

Each input is checked whether it follows conditions given using conditional statements

Algorithm / Steps

1. Take the input
2. Initialize a variable to store the data and check whether its valid

Python Program

```
# Taking inputs from user
studentid = input("enter student id: ")
email = input("enter email: ")
pwd = input("enter password: ")
ref = input("enter referral code: ")

is_valid = True

# student id check
if len(studentid) != 7:
    is_valid = False
elif studentid[0] != 'C':
    is_valid = False
elif studentid[1] != 'S':
    is_valid = False
elif studentid[2] != 'E':
    is_valid = False
elif studentid[3] != '-':
    is_valid = False
elif studentid[4] < '0' or studentid[4] > '9':
    is_valid = False
elif studentid[5] < '0' or studentid[5] > '9':
    is_valid = False
elif studentid[6] < '0' or studentid[6] > '9':
    is_valid = False

# email check
elif len(email) < 4:
    is_valid = False
elif '@' not in email:
    is_valid = False
elif '.' not in email:
    is_valid = False
elif email[0] == '@':
    is_valid = False
elif email[-1] == '@':
    is_valid = False
elif email[-4] != '.':
    is_valid = False
elif email[-3] != 'e':
    is_valid = False
elif email[-2] != 'd':
    is_valid = False
elif email[-1] != 'u':
    is_valid = False
```

```
# password check
elif len(pwd) < 8:
    is_valid = False
elif pwd[0] < 'A' or pwd[0] > 'Z':
    is_valid = False
elif not (
    ('0' <= pwd[0] <= '9') or
    ('0' <= pwd[1] <= '9') or
    ('0' <= pwd[2] <= '9') or
    ('0' <= pwd[3] <= '9') or
    ('0' <= pwd[4] <= '9') or
    ('0' <= pwd[5] <= '9') or
    ('0' <= pwd[6] <= '9') or
    ('0' <= pwd[7] <= '9')
):
    is_valid = False
```

```
# referral code check
elif len(ref) != 6:
    is_valid = False
elif ref[0] != 'R':
    is_valid = False
elif ref[1] != 'E':
    is_valid = False
elif ref[2] != 'F':
    is_valid = False
elif ref[3] < '0' or ref[3] > '9':
    is_valid = False
elif ref[4] < '0' or ref[4] > '9':
    is_valid = False
elif ref[5] != '@':
    is_valid = False
```

```
if is_valid:
    print("APPROVED")
else:
    print("REJECTED")
```

Test Case Verification

Verify your program using the instructor-provided test cases.

Test Case 1 Output:

```
Run day_2 x
C:\Users\mashl\AppData\Local\Programs\Python\Python314\python.exe C:\Users\mashl\
enter student id: CSE-245
enter email: student@univ.edu
enter password: Aman1234
enter referral code: REF45@
APPROVED
Process finished with exit code 0
```

Test Case 2 Output:

```
Run day_2 x
C:\Users\mashl\AppData\Local\Programs\Python\Python314\python.exe C:\Users\mashl\
enter student id: CSE245
enter email: student@univ.edu
enter password: aman1234
enter referral code: REF4A@
REJECTED
Process finished with exit code 0
```

Test Case 3 Output:

```
Run day_2 x
C:\Users\mashl\AppData\Local\Programs\Python\Python314\python.exe C:\Users\mashl\
enter student id: CSE-12A
enter email: @univ.edu
enter password: Amanabcd
enter referral code: REF99@
REJECTED
Process finished with exit code 0
```

Learning Outcome

I learned how to take user input and validation using simple conditional statements and understood the importance of checking data formats, lengths, and ranges to ensure that user information is correct and meaningful

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.