



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: Chamala Saranya Reddy Register Number:AP24110011579

Section: CSE-I

Date of Submission: 30-01-2026

GitHub Repository Link (Mandatory): <https://github.com/saranya261/Python-challenge2>

Challenge Understanding

The challenge is basically about creating a smart registration system for university with given conditions . If the given conditions are true for the inputs that were given by user, then we will print the credentials are approved otherwise rejected

Validation Rules Implemented

Coming to Student ID Rules the input must be in the form of CSE-XXX.CSE should be capital and last three should be digits so input should be like CSE-123 or CSE-234 with any number

Email must contain one @ and email should not start or end with @ and must end with .edu like saranya@univ.edu

Password length should be strictly greater than equal to 8 and first letter should be an uppercase letter and should contain at least one digit like Saranya*2

Referral code should be in this form REF##@ where ## means any 2-digit number and should start with REF and last element should be '@' like REF23@

Approach

We will take all inputs from user and we will gather all conditions in if condition

To check studentID we will check index 0,1,2 if they are 'C', 'S', 'E' and we will use isdigit to check digits after CSE and we will use count() function to check count of '@' and email[0] shouldn't be equal to '@' and email[len(email)] shouldn't be equal to '@' and length of password should be equal to 8 or greater so len(password)>=8 and same goes with referral code .According to given constraints we will use count(),len(),functions to check the conditions

Algorithm

- 1.Take studentID, email, password and Referral code input from user
- 2.Take if with all the conditions and print "APPROVED"
- 3.In else condition print "REJECTED"

Python Program

```
studentID=input("Enter Student ID")
Email=input("Enter Email")
Password=input("Enter Password")
Referral=input("Enter Referral code")
if studentID[0]=='C'and studentID[1]=='S'and studentID[2]=='E' and studentID[3]=='-' and studentID[4].isdigit() and studentID[5].isdigit() and studentID[6].isdigit() and len(studentID)==7 and Email.count('@')>=1 and Email[0]!='@' and Email[len(Email)-4]=='' and Email[len(Email)-3]=='e' and Email[len(Email)-2]=='d' and Email[len(Email)-1]=='u' and len(Password)>=8 and Password[0].isupper() and (Password.count('0') >=1 or Password.count('1')>=1or Password.count('2')>=1 or Password.count('3')>=1 or Password.count('4') >=1 or Password.count('5') >=1 or Password.count('6') >=1 or Password.count('7')>=1 or Password.count('8')>=1or Password.count('9')>=1 )and Referral[0]=='R' and Referral[1]=='E' and Referral[2]=='F'and Referral[3].isdigit() and Referral[4].isdigit() and Referral[5]=='@':
    print("APPROVED")
else:
    print("REJECTED")
```

Test Case Verification

Test Case 1

ID: CSE-245

Email: student@univ.edu

Password: Aman1234

Referral: REF45@

Output:

APPROVED

Test Case 2

ID: CSE245

Email: student@univ.edu

Password: aman1234

Referral: REF4A@

Output:

REJECTED

Test Case 3

ID: CSE-12A

Email: @univ.edu

Password: Amanabcd

Referral: REF99@

Output:

REJECTED

Learning Outcome

I got to know about string functions and conditional statements and the logic to solve the given conditions

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: *Ch. Saranya Reddy*

Date: 30-01-2026

Faculty In charge:

dr.yasir