

P6: Implement 're' module

Imagine you are creating a form(Admission form/Registration Form, Booking Form, etc.,) relevant to your domain. Create a function using the 're' module to verify the following.

1. The input string is correct or not (name and dot)
2. Input has only digit(Register number, phone number)
3. Verify the email ID
4. Verify date of birth
5. Payment option
6. All the above five entries received the correct Input

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In [ ]: import re

def verify_input(input_string):
    pattern = r'^[A-Za-z\s]+\.'
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    if re.match(pattern, input_string):
        print("True")
        return 1
    else:
        print("False")
        return 0

def verify_number(register_num):
    pattern2 = r'\d'

    if re.match(pattern2, register_num):
        print("True")
        return 1
    else:
        print("False")
        return 0

def verify_email(email):
    pattern3 = r'^[a-zA-Z0-9_]+(\.[a-zA-Z0-9_]+)*@[a-zA-Z]+\.[a-z]{2,3}$'
    if re.match(pattern3, email):
        print("True")
        return 1
    else:
        print("False")
        return 0

def verify_dob(dob):
    pattern4 = r'^\d{2}-\d{2}-\d{4}$'

    if re.match(pattern4, dob):
        print("True")
        return 1
    else:
        print("False")
```

```
        return 0

import re

def verify_Payment(pay):
    txt = "COD|UPI|Debit|Credit|Crypto"
    pattern5 = re.compile(txt)

    if pattern5.match(pay):
        print("True")
        return 1
    else:
        print("False")
        return 0

def check_flags(flag1, flag2, flag3, flag4, flag5):
    return flag1 == flag2 == flag3 == flag4 == flag5 == 1

flag1 = verify_input("Mr. Rajdeep Banik")
flag2 = verify_number("123456")
flag3 = verify_email("banik.rajdeep@gmail.com")
flag4 = verify_dob("23-09-2002")
flag5 = verify_Payment("UPI")

if check_flags(flag1, flag2, flag3, flag4, flag5):
    print("All flags are 1.")
else:
    print("Not all flags are 1.")
```

True

True

True

True

True

All flags are 1.