

```

# #URL

import re

pattern = re.compile("https?:/(?:www\.)?[a-zA-Z0-9]+\.[a-zA-Z]{2,}(?:/[a-zA-Z09-]+)*")

def is_valid_url(url):

    if re.match(pattern, url):

        return True

    else:

        return False

url = input("Enter a URL: ")

if is_valid_url(url):

    print(f"{url} is a valid URL.")

else:

    print(f"{url} is not a valid URL.")

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#Email Id

import re

def validate_email(email):

    pattern = re.compile('^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$')

    if re.match(pattern, email):

        return True

    else:

        return False

email = input("Enter an email address: ")

if validate_email(email):

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    print("Email is valid.")

else:

    print("Email is not valid.")


#Password

import re

def validate_password(password):

    pattern = re.compile('^(?=.*[a-z])(?=.*[A-Z])(?=.*\d)(?=.*[@$!%*#?&])[A-Za-z\d@$!#%*?&]{6,20}$')

    if re.match(pattern, password):

        return True

    else:

        return False

password = input("Enter your password: ")

if validate_password(password):

    print("Password is valid.")

else:

    print("Password is not valid.")
```