

URL:

```
const urlRegex = /\b(?:https?:\/\/|www\.)([a-zA-Z0-9.-]+\.(?:com|org|edu|[a-z]{2,})\S*\b)/;

// Test URLs
const urls = [
  'https://www.example.com',
  'http://subdomain.example.com/path/page.html',
  'ftp://invalid-url.com', // Invalid: Non-http(s) URL scheme
  'https://invalid.com', // Invalid: Space in URL
  'http://', // Invalid: Incomplete URL
  'www.google.com/index.html', // valid.
  'http://www.google.net/index.html',
  'http://www.google.net/index.html',
  'https://www.google.com.np/index.html',
  'http://www.google.mil',
  'www.google.net',
  'www.google'
];
```

Phonenumber:

```
const phoneRegex = /(?:\(\d{3}\)|\d{3})[-. ]?\d{3}[-. ]?\d{4}\b/;

// Test phone numbers
const phoneNumbers = [
  '555-123-4567',
  '555.123.4567',
  '123-456-7890',
  '(999) 123-4567',
  '123 456 7890',
  '1234567890',
  '555-1234-5678', // Invalid: Extra digit in central office code
  '555-123-567', // Invalid: Too few digits in subscriber number
  '555123567s'
];
```

Email:

```
const emailRegex = /^[a-zA-Z0-9._%+-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,}$/;

// Example email addresses to test
const emailAddresses = [
  'user@example.com',
  'john.doe12345@gmail.com',
  'invalid.email@com',
  'missingat.com',
  'anish_shrestha@student.uml.edu',
  'ase@google'
];
```

Output:

(base) anish@Anishs-MacBook-Pro NOV6 % node app.js

user@example.com is a well-formatted email address.

True

john.doe12345@gmail.com is a well-formatted email address.

True

invalid.email@com is not a well-formatted email address.

False

missingat.com is not a well-formatted email address.

False

anish_shrestha@student.uml.edu is a well-formatted email address.

True

ase@google is not a well-formatted email address.

False

555-123-4567 is a well-formatted phone number.

True

555.123.4567 is a well-formatted phone number.

True

123-456-7890 is a well-formatted phone number.

True

(999) 123-4567 is a well-formatted phone number.

True

123 456 7890 is a well-formatted phone number.

True

1234567890 is a well-formatted phone number.

True

555-1234-5678 is not a well-formatted phone number.

False

555-123-567 is not a well-formatted phone number.

False

555123567s is not a well-formatted phone number.

False

https://www.example.com is a well-formatted URL.

True

http://subdomain.example.com/path/page.html is a well-formatted URL.

True

ftp://invalid-url.com is not a well-formatted URL.

False

https://invalid.com is not a well-formatted URL.

False

http:// is not a well-formatted URL.

False

www.google.com/index.html is a well-formatted URL.

True

http://www.google.net/index.html is a well-formatted URL.

True

http://www.google.net/index.html is a well-formatted URL.

True

https://www.google.com.np/index.html is a well-formatted URL.

True

http://www.google.mil is a well-formatted URL.

True

www.google.net is a well-formatted URL.

True

www.google is not a well-formatted URL.

False

(base) anish@Anishs-MacBook-Pro NOV6 %