# Problem 0 – Validate Usernames

### Input

The input data will be received as a **string**.

### Constraints

* You must fill your regex only in the string.match().
* Username length must be in the interval between 3, 15 character long. Must be case insansitive, can contain “\_” and “-”; and digits.

**Example**

gosho\_123

# Problem 1 – Extract emails

### Input

The input data will be received as a **string**.

### Constraints

* You must fill your regex only in the string.match().
* The email username can contain letters and numbers, “\_” and “-”, letters can be upper and lowercase.
* The e-mail must contain “@”.
* Domain can contain letters(lower and upper) and digits.
* The suffix “.com” must contain “.”, can contain only letters(uppercase and lowercase) and it`s length must be greater than 2 inclusive.
* The suffix “.com” must contain “.”, can contain only letters(uppercase and lowercase) and it`s length must be greater than 2 inclusive.

**Example**

[admin@hotel.com](mailto:admin@hotel.com)

# Problem 2 – Extract all VALID Links in HTML (href=…)

### Input

The input data will be received as a **string**.

### Constraints

* You must fill your regex only in the string.match().

**Example**

<a href="google.com"></a> 🡪 href=”google.com”;

# Problem 3 – Validate full names

### Input

The input data will be received as a **string**.

### Constraints

* You must fill your regex only in the string.match().

**Example**

Pesho Peshev Peshev

# Problem 4– Vlidate date-time

### Input

The input data will be received as a **string**.

### Constraints

* You must fill your regex only in the string.match().
* Valid formats mm/dd/yyyy, mm.dd.yyyy, mm-dd-yyyy.

**Example**

10/22/1987

# Problem 5\* – Vlidate password

### Input

The input data will be received as a **string**.

### Constraints

* You must fill your regex only in the string.match().
* passwords have at least one digit
* one lower case character
* one uppercase character
* one special symbol (!@#$%^&\*()-\_=+)
* is long between 8 and 20 symbols

**Example**

mYPa$$W0rd$

# Problem 6\*\*\*\*\* – Vlidate IPv6 and IPv4

### Input

The input data will be received as a **string**.

### Constraints

* You must fill your regex only in the string.match().
* IPv6 is in the formats described: <https://www.ripe.net/lir-services/new-lir/ipv6_reference_card.pdf>
* IPv4 is in the format described: <http://en.wikipedia.org/wiki/IPv4>

NOTE: you should search google… it’s long ☺…If you find and understand it you are REGEX MASTER

**Examples**

2001:cdba:0000:0000:0000:0000:3257:9652

192.168.0.1