1)You have a string "Do you like CSE/ISE 337?". Write a ruby script to find the word 'like' in the string.

--->"Do you like CSE/ISE 337?" =~ /like/

2) What following function will do?

```ruby
def contains_vowel(str)
  str =~ /[aeiou]/
end
```

give one example of its usage

--->
```ruby
contains_vowel("testing") # returns 1
contains_vowel("sky")  # returns nil
```

3) What the following function will do?

```ruby
def contains_number(str)
  str =~ /[0-9]/
end
```

4) Give one example as well
----->
```ruby
contains_number("The year is 2015")  # returns 12 , 12
# is the position of digit 2
```

5) what is the output for the following?

```ruby
"5a5".match(/\d\.\d/)
"5.5".match(/\d\.\d/)
```

---->
5.5 match

6) Give output of the following function:

```ruby
def testing(str)
   # We use !! to convert the return value to a boolean
  !!(str =~ /^\d{1,3}\.\d{1,3}\.\d{1,3}\.\d{1,3}$/)
end
```

--->

IP address regex
999.999.999.999

7) We want to find if this string is exactly four letters long. Write a regular expression.
--->
str.match /\w{4}/

8) m = "John 31".match /\w+ (\d+)/

what will be the output of m[1]?
---->
31

9) Write a function that test to check is there a number preceded by at least one letter.
--->
def checking?(str)
  !!(str =~ /(?<=\w) (\d+)/)
end

example "john 66"

10) Write the output of the following:

"this is some string".scan(/\w+/)
---->
["this", "is", "some", "string"]

11) write a ruby script to validate email address. For example, "test@example.com"
/\A[\w+\-.]+@[a-z\d\-]+(\.[a-z\d\-]+)*\.[a-z]+\z/i