

## Assignment 2 Part II

### Due: 11:59pm Oct. 3 (Sunday)

This assignment is done individually or by a group of two students. Each group please submits only ONE copy of the assignment.

#### PART II (weight: 2%):

**Perl programming:** Let `input.txt` be a file containing a sequence of strings. The strings are separated using new lines. Write a Perl program `match.pl` which reads a file `input.txt` and print (1) strings that contain “hi”, (2) strings that contain exact one vowel characters (i.e. a, e, i, o, u), (3) strings that contain two or more ‘l’, and (4) strings that begin with the letter “h” and end with the letter “t”. Assume that `input.txt` contains only characters a-z. Hint: you can use regular expressions in perl to implemente this program.

The file name `input.txt` is hard-coded in `match.pl`. Use `perl match.pl` to execute `match.pl`.

For example, assume that `input.txt` is:

```
day
thill
helolol
hot
hotu
```

Output:

```
day contains one vowel characters
thill contains hi
thill contains one vowel characters
thill contains two or more l
helolol contains two or more l
hot contains one vowel characters
hot begins with h and ends with t
```

#### Part II Submission guideline

You need to hand in your assignment electronically using [brightspace.binghamton.edu](https://brightspace.binghamton.edu), which contains:

- A readme, which contains the name and the email address of all group members
- `match.pl`

Please place the above files under one directory with a unique name (such as `p2-[userid]` for assignment 2, e.g. `p2-pyang`).

Tar the contents of this directory using the following command.

```
tar -cvf [directory_name].tar [directory_name]
```

E.g. `tar -cvf p2-pyang.tar p2-pyang/`

Use [brightspace.binghamton.edu](https://brightspace.binghamton.edu) to upload the tared file you created above.