


## 1. 2016-1

Circle or cross: "T" if True – "F" if False.

**T / F** A service-mark is a mark to identify a service rather than a product. For example MGM (Metro-Goldwyn-Mayer) uses the sound of a lion's roar. 

**T / F** Regular Expression:

```
^[aiueo].[aiueo]$
```

will match this following string:

```
sate satu
```

**T / F** Free software is always free of charge.

**T / F** Open Source Software is not always free of charge.

**T / F** There are many Free Software licenses, however, there is only one copyleft license, i.e. the GNU / General Public Licenses.

**T / F** The output of script:

```
echo a b c d | echo a b c d
```

is

```
a b c d  
a b c d
```

**T / F** The output of script:

```
for II in A B C  
do  
    echo X$II  
done
```

is

```
A  
B  
C
```

## 2. 2016-2a

Circle or cross: "T" if True – "F" if False.

- T / F** EULA (End User License Agreement) is an example of a non-free software license.
- T / F** You don't own the propriety software you have bought.
- T / F** Public Domain software is not Free Software.
- T / F** Free Software is not always Copy-left.
- T / F** "[^c]at" matches all strings matched by "\_at" except "cat".
- T / F** "[a-z0-9]" matches any single letter or any single digit.

### 3. 2016-2b

These following are some scripting examples. Fill remaining empty "output" cells.

Script (date=19 Oct 2016)	Output
<code>echo "1 2 3 4 5"   awk '{print \$1 " " \$5}'</code>	
<code>date +"%d %b %Y"</code>	
<code>echo abc   tr '[a-z]' '[A-Z]'</code>	
<code>echo 0123456789   cut -c5-9</code>	
<code>VAR="hallo" case "\$VAR" in hallo) echo "Hallo too!" ;; *) echo "What?" ;; esac exit 0</code>	
<code>date +"%d %b %Y"   awk '{print \$2 " " \$1 " " \$3}'</code>	
<code>% ID=VWXYZ % echo "\$ID"   cut -c1-3   tr '[a-z]' '[A-Z]'</code>	
<code>VAR="hello" case "\$VAR" in hallo) echo "Hallo too!" ;; *) echo "What?" ;; esac exit 0</code>	