

CSD1233 - Assignment 1

In this assignment you will complete three programming questions by using the python programming language. Please start each file with the below comment block.

```
# Assignment #
# Question #
# Submitted by: your_name – c#
# Date of submission: yyyy-mm-dd
```

Question #1

Answer all 25 multiple choice questions at the end of chapter one of the course textbook (pg. 24-27). For instance, if you answer "a" for question 1: "Q1. a".

Save submission as *yourCNumber_Q1.py*

Sample Output

```
Q1. a
Q2. b
Q3. c
...
```

Question #2

ASCII art is a form of artwork where pictures/images are constructed from the character-set defined within the ASCII standard (<http://www.asciitable.com/>). Out of the 128 ASCII characters 95 are printable and are used to build images such as the ones below. Your job is to match the console output to that below. **Save submission as *yourCNumber_Q2.py***

Sample Output

```
(\____/)
( =. = )
(")____(")
Rabbit
```

```
@...@
(----)
(>____<)
  ^^  ^^
```

Frog

```
|  ||
\\O//
//(____)\\
||      ||
Spider
```

Question #3

For part three of the assignment we will focus on conducting a quick search on any online job application site (i.e. Monster, Indeed, LinkedIn) for jobs that contain "Python" as a requirement. You can look for local jobs or jobs anywhere in Canada (Waterloo, GTA, Vancouver). What is to be submitted is a program which prints the job title, company, location, description, and list of required computer skills. Ensure the information printed to console is done in a user-friendly format. **Save submission as *yourCNumber_Q3.py***

Sample Output

JOB TITLE: Senior Python Engineer

COMPANY: TEEMA

LOCATION: Toronto, ON, CA

DESCRIPTION:

We're looking for an innovative backend engineer with a passion for designing robust and easy to use APIs and services. You're comfortable tackling efforts solo or working in groups, both big and small. Fast-paced environments don't phase you, and you seek feedback because it has the ability to turn good work into great work. You know the best software is created through collaboration and iteration, which is exactly why you're looking for the right opportunity, and the right team, to expand your experience.

As a Senior Backend Engineer you will craft new functionality with a dedicated team of skilled individuals. You like to ship software early and often, you value simplicity, and strive to eliminate unnecessary complexity.

REQUIRED SKILLS:

- * Experience with Python
 - * Bachelor's degree in Computer Science, or equivalent, and at least 5 years of professional programming experience
 - * A strong understanding of RESTful API design
 - * Knowledge of web frameworks such as Dropwizard, Flask, and Django a plus
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