

## **Assignment: Calculator**

### **Description:**

Write a calculator program in assembly. It should handle the following functions: addition (+), subtraction (-), multiplication (\*), integer division (/), modulo division (%), and exponentiation (^). Your program should...

1. Read an integer from the user.
2. Read a character from the user, representing the function. (+, -, \*, /, %, ^)
3. Read another integer from the user.
4. Print an equals sign (=).
5. Print the result.

Please comment your code, and format it so that it looks clean!

(examples on next page)

### **Deliverables:**

- Your assembly code, as a plaintext (.txt) file.
- A screenshot of your code running, proving it works, or showing how far you got.
- The path on the server where it can be found. (run `pwd` to get this)

## Output Examples:

```
andrew@dev:~/calculator$ ./calculator
17      ← This is input
+        ← This is input
11      ← This is input
=        ← This is output
28      ← This is output
```

```
andrew@dev:~/calculator$ ./calculator
99
-
25
=
74
```

```
andrew@dev:~/calculator$ ./calculator
10
*
11
=
110
```

```
andrew@dev:~/calculator$ ./calculator
67
/
3
=
22
```

```
andrew@dev:~/calculator$ ./calculator
67
%
3
=
1
```

```
andrew@dev:~/calculator$ ./calculator
4
^
3
=
64
```