Bash Scripting:

Link to challenge:

(log in required)

Working Components:

Conditional Execution:

Question: Create an "If-Else" condition in the "For"-Loop of the "Exercise Script" that prints you the number of characters of the 35th generated value of the variable "var". Submit the number as the answer.

Answer: 1197735

Command:

"if [$counter -eq 35]

  then

      echo $var | wc -c

  fi"

Arguments, Variables, and Arrays:

Question: Submit the echo statement that would print "www2.inlanefreight.com" when running the last "Arrays.sh" script.

```
domains=("www.inlanefreight.com ftp.inlanefreight.com vpn.inlanefreight.com" www2.inlanefreight.com)
```

Answer: echo ${domains[1]}

Comparison Operators:

Question: Create an "If-Else" condition in the "For"-Loop that checks if the variable named "var" contains the contents of the variable named "value". Additionally, the variable "var" must contain more than 113,450 characters. If these conditions are met, the script must then print the last 20 characters of the variable "var". Submit these last 20 characters as the answer.

Answer: 2paTlJYTkxDZz09Cg==

Command:

```
if [[ $var == *"$value"* && $(echo "$var" | wc -c) -gt 113450 ]]
then
        echo "$(echo "$var" | tail -c 20)"
fi
```

Script Control:

Flow Control – Loops:

Question: Create a "For" loop that encodes the variable "var" 28 times in "base64". The number of characters in the 28th hash is the value that must be assigned to the "salt" variable.

Answer: HTBL00p5r0x

Command:

```
for i in {1..28}
do
    var=$(echo $var | base64)
done
salt=$(echo $var | wc -c)
```