

INTERNS TASK

You'll have 3 codes to write and they will all be on while loops which was the last thing we did. The reason for this task is to see how well you can apply logic to syntax. Take your time to write these codes in the most efficient way you can. The winner will be determined based on this criterion and how well you follow the rules.

Remember, everything you have learnt so far is enough to accomplish these tasks. Try as much as possible to stay within scope.

1. **The simple on (Warm up)**

The code below prints the numbers from 1-50. Rewrite the code using while loop to accomplish the same thing.

```
for i in range(1, 51):  
    print (i)
```

2. You are to write a program that prompts the user for a height in feet and converts this input to meters. This input can either be an integer or a float. Whenever the user enters a height below zero (0), the program should tell them that their entry is invalid and then ask them to enter a new height. This code should run as many times as possible. This is a code that ensures that the correct type of value is obtained in an input. It is necessary to obtain correct value types in data collection to reduce the occurrence of unclean data in the final dataset.
3. Write a login program. This should be a program that prompts the user for their username and password. If the user enters the right **predetermined** password, they are logged into the system otherwise, the program should ask them to re-enter the password. The user can only get 5 trials to enter the correct password, after which the program should tell them that they are kicked off the system and the username blacklisted. The program will then prompt for a username and if it is a blacklisted username, it will show an error and state that the username is blacklisted.

Goodluck Guys!

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