Module 3 Lab 1 Solution

Welcome to our Lab Practice!

This lab is about branching - if statements. Are you ready? Let's get started!

You will find some small tasks in sections below.

###Task: check if a number is even.

You should ask the user to enter an integer, if it is an even number, print "it is even"; otherwise, print nothing.

hint: to test if a number is even, we need to use %2 and check the reminder is 0 or not. If it is 0, then the number is even.

```
n = int(input('Please enter an integer: '))
if n % 2 == 0:
  print('It is even')
```

```
Please enter an integer: 3
```

###Task: check if a number is odd.

Similar to the task above. However, this time, you only print "It is odd" when the number entered is odd.

```
n = int(input('Please enter an integer: '))
if n % 2 != 0:
  print('It is odd')
```

```
Please enter an integer: 3
It is odd
```

###Task: check if a number is divisible by 6

You should ask the user to enter an integer, if it is dividable by 6, print "It can be divisible by 6".

```
n = int(input('Please enter an integer: '))
if n % 6 == 0:
  print('It can be dividable by 6')
```

```
Please enter an integer: 23
```

###Task: check if an input is 'STOP'

Ask the user to enter some words, and only when the user entered "STOP", you print "Bye".

```
word = input('Enter some word: ')
if word == 'STOP':
  print('Bye')
```

```
Enter some word: STOP
Bye
```

Task: Password Setup

- Ask the user to enter a new password.
- Ask the user to enter the password again.
- If the second input matches the first one, print "You are all set"

```
password1 = input('Enter a new password:')
password2 = input('Enter the password again:')
if password1 == password2:
  print('You are all set')
```

```
Enter a new password:12
Enter the password again:12
You are all set
```