Exercise

- Complete the output if the user enters the number 54 when prompted:

```python
user_number = input("Enter number: ")
print(user_number * 2, user_number * 3, user_number * 4)
```

Enter number: 54
54
5454 545454 54545454
Getting user input

- Sometimes you are not interested in the input entered by the user, you are just wanting the user to continue when they are ready:

```python
message = " (press Enter to continue) "
question1 = "Think of your favourite person"
question2 = "Think of your least favourite person"
input(question1+message)
colour1 = input("Enter a colour: ")
print()
input(question2+message)
colour2 = input("Enter a colour: ")
print()
print(colour1, "nice,", colour2, "not nice.")
```

Think of your favourite person (press Enter to continue):
Enter a colour: Blue

Think of your least favourite person (press Enter to continue):
Enter a colour: Red

Blue nice, Red not nice.
Exercise

- Complete the following program so that it prompts the user for their first name. The program removes a random letter from the first name and prints the resulting name.

```python
import random

first_name = input("Enter name: ")
rand_index = random.randrange(0,len(first_name))
first_name = first_name[:rand_index] + first_name[rand_index+1:]
print(first_name)
```

Enter name: Adriana
Adriaa

Enter name: Eric
ric

Enter name: Jerry
Jery
Exercise

- Give the smallest and the largest possible random number which can be generated by the following four statements:

```python
import random

print("1.", random.randrange(4, 17, 3))  # Smallest: 4, Largest: 16
print("2.", random.randrange(-1, 7, 2))  # Smallest: -1, Largest: 5
print("3.", random.randrange(100, 700, 2))  # Smallest: 100, Largest: 698
print("4.", random.randrange(50, 100, 10))  # Smallest: 50, Largest: 90
```
Exercise

- Complete the following program which prompts the user for a total of 4 dice throws, the program calculates the sum of four random dice throws, and outputs the difference between the user guess and the sum of the dice throwing simulation:

```python
dice_sum = 0
print("Your total:", )
print("You are out by:", )
Enter sum (4 dice): 12
Your total: 12 Dice total: 20
You are out by: 8
Enter sum (4 dice): 15
Your total: 15 Dice total: 11
You are out by: 4
Enter sum (4 dice): 12
Your total: 12 Dice total: 12
You are out by: 0
```
Exercise

Complete the following program which prompts the user for a total of 4 dice throws, the program calculates the sum of four random dice throws, and outputs the difference between the user guess and the sum of the dice throwing simulation:

```python
import random

dice_sum = 0

total_guess = int(input("Enter sum (4 dice): "))
dice1 = random.randrange(1,7)
dice2 = random.randrange(1,7)
dice3 = random.randrange(1,7)
dice4 = random.randrange(1,7)

total = dice1 + dice2 + dice3 + dice4
difference = abs(total - total_guess)

print("Your total:", total_guess, "Dice total:", total)
print("You are out by:", difference)
```