

## 1. Exercise 1

1. Develop a program to sum the first n positive integers

```
Input a number: 5
The sum for first 5 number is: 15.0
```

2. Develop a Python program to convert a temperature given in degrees Fahrenheit to its equivalent in degrees Celsius by the formula:

$$C = (F - 32) / 1.8$$

where C is the temperature in °C and F is the temperature in °F.

Your program should ask the user to input Celsius and print the output in Fahrenheit.

```
Please input celsius: 38
38 Celsius is equal to 100.4 Fahrenheit
```

3. Yahoo Finance is a good place to obtain stock information free of charge. Develop a Python program to generate the URL for each stock:

```
Please input the stock code: 0005
https://hk.finance.yahoo.com/quote/0005.HK
```

4. Develop a program that asks the user for a long string containing multiple words. Print back to the user the same string, except with the words in backwards order.

```
Please input a sentence:The Hong Kong Polytechnic University
Your input is reversed to: University Polytechnic Kong Hong The
```