**Python Fundamentals**  
Exercise 1

Write Python code that prints your name, student number and email address.

An example runs of the program:

Bob

ST1001

bob@gmail.com

Exercise 2

Write Python code that prints your name, student number and email address using escape sequences.

An example runs of the program:

Bob

ST1001

bob@gmail.com

Exercise 3

Write Python code that add, subtract, multiply and divide the two numbers. You can use the two numbers 14 and 7. An example run of the program:

14 + 7 = 21

14 \* 7 = 98

14 – 7 = 7

14 / 7 = 2

Exercise 4

Write Python code that displays the numbers from 1 to 5 as steps.

An example runs of the program:

1

2

3

4

5

Exercise 5

Write Python code that outputs the following sentence (including the quotation marks and line break) to the screen:

An example runs of the program:

"SDK" stands for "Software Development Kit", whereas

"IDE" stands for "Integrated Development Environment".

Exercise 6

Practice and check the output

print("python is an \"awesome\" language.")

print("python\n\t2023")

print('I\'m from Entri.\b')

print("\65")

print("\x65")

print("Entri", "2023", sep="\n")

print("Entri", "2023", sep="\b")

print("Entri", "2023", sep="\*", end="\b\b\b\b")

Exercise 7

Define the variables below. Print the types of each variable. What is the sum of your variables? (Hint: use a type conversion function.) What datatype is the sum?

num=23

textnum="57"

decimal=98.3

Exercise 8

calculate the number of minutes in a year using variables for each unit of time. print a statement that describes what your code does also. Create three variables to store no of days in a year, minute in a hour, hours in a day, then calculate the total minutes in a year and print the values

(hint) total number of minutes in an year =No.of days in an year \* Hours in a day \* Minutes in an hour

Exercise 9

Write Python code that asks the user to enter his/her name and then output/prints his/her name with a greeting.

An example runs of the program:

Please enter you name: Tony

Hi Tony, welcome to Python programming :)

Exercise 10

Name your file: PoundsToDollars.py

Write a program that asks the user to enter an amount in pounds (£) and the program calculates and converts an amount in dollar ($)

An example runs of the program:

Please enter amount in pounds: XXX

£ XXX are $ XXX