Python fundamentals Assignment

Exercise 1

```
[ ] #code to print name, student number and email.

    #name
    print("Subuhan P. Ummer")

    #student number
    print("DSML3645")

    #email address
    print("subuhanpummer@gmail.com")
```

```
Subuhan P. Ummer
DSML3645
subuhanpummer@gmail.com
```

Exercise 2

```
[ ] #code to print name, student number and email using escape sequence.

    print("Subuhan P. Ummer \nDSML3645 \nsubuhanpummer@gmail.con")
```

```
Subuhan P. Ummer
DSML3645
subuhanpummer@gmail.con
```

Exercise 3

```
[ ] #code that add, subract, multiply and divide two numbers.
```

Exercise 3

```
#code that add, subract, multiply and divide two numbers.

a = 8
b = 16

#add
print(f"{a} + {b} = {a + b}")

#subtract
print(f"{a} - {b} = {a - b}")

#multiply
print(f"{a} x {b} = {a * b}")

#division
print(f"{a} / {b} = {a / b}")
```

```
8 + 16 = 24
8 - 16 = -8
8 x 16 = 128
8 / 16 = 0.5
```

Exercise 4

```
#code to displays numbers from 1 to 5 as steps.

for i in range(1, 6):
    print(i)
```

```
1
2
3
4
5
```

Exercise 5

Exercise 5

```
[ ] #code to output the sentence with quotes and a line break.

    print('"SDE" stands for "Software Development Kit", whereas\n"IDE" stands for "integrated Development Environment".')
```

```
"SDE" stands for "Software Development Kit", whereas
"IDE" stands for "integrated Develoment Evironment".
```

Exercise 6

```
[ ] #practice print statements.

    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")
```

```
python is an "awesome" language.
python
        2023
I'm from Entri
5
e
Entri
2023
Entr2023
Entri*20
```

Exercise 7

```
[ ] #types of each variables.
    num=23
```

Exercise 7

```
[ ] #types of each variables.
    num=23
    textnum="57"
    decimal=98.3

    print("type of num is : ",type(num))
    print("type of textnum is : ", type(textnum))
    print("type of decimal is : ", type(decimal))

    #sum of variables
    sum = num+int(textnum)+decimal
    print("sum of variables is : ", sum)

    #datatype of sum
    print("datatype of sum is : ", type(sum))
```

```
type of num is :  <class 'int'>
type of textnum is :  <class 'str'>
type of decimal is :  <class 'float'>
sum of variables is :  178.3
datatype of sum is :  <class 'float'>
```

Exercise 8

```
[ ] #number of minutes in a year using variables.

    days_in_year = 365
    hours_in_day = 24
    minutes_in_hour = 60

    minutes_in_year = days_in_year * hours_in_day * minutes_in_hour

    print(f"Total number of minutes in a year is : {minutes_in_year} minutes")
```

```
Total number of minutes in a year is : 525600 minutes
```

Exercise 9

```
[ ] #code to greet user with theri name.

    name = input("Please enter your name: ")

    print(f"Hi {name}, welcome to Python programming :)")
```

```
Please enter your name:  Subuhan P. Ummer
Hi Subuhan P. Ummer, welcome to Python programming :)
```

Exercise 10

```
[ ] #code to convert pounds to dollars

    pounds = float(input("Please enter amount in pounds (£): "))
    dollars = pounds * 1.31 #conversion rate is £1 = $1.31
    print(f"£{pounds} are ${dollars:.2f}")
```

```
Please enter amount in pounds (£):  250
£250.0 are $327.50
```

```
[ ] Start coding or generate with AI.
```