

Lab 01

Programming Exercise

Q1:

```
In [1]: celsius = float(input("enter temperature in celsius: "))
fahrenheit = (celsius*9/5)+32
print('%0.2f celsius is: %0.2f fahrenheit' %(celsius,fahrenheit))
```

```
enter temperature in celsius: 25
25.00 celsius is: 77.00 fahrenheit
```

Q2:

```
In [2]: fahrenheit = float(input("enter temperature in fahrenheit: "))
celsius = (fahrenheit-32)*5/9
print('%0.2f fahrenheit is: %0.2f celsius' %(fahrenheit,celsius))
```

```
enter temperature in fahrenheit: 68
68.00 fahrenheit is: 20.00 celsius
```

Q3:

```
In [3]: import math
pi = 3.1415926535897931
r = 5.0
v = 4/3*pi*r**3
print('The volume of the sphere is: ',v)
```

```
The volume of the sphere is: 523.5987755982989
```

Q4:

```
In [4]: w = 4
l = 5
area = l*w
print('The area of rectangle is: ',area)
```

```
The area of rectangle is: 20
```

Q5:

```
In [5]: string = 'GEEKSFORGEEKS'
print(string.isupper())
```

```
True
```

```
In [6]: string = 'bilal'
print(string.islower())
```

```
True
```