Python basic lab exercises-I

1. Python program to convert the temperature in degree centigrade to Fahrenheit

```
c = input("Enter temperature in Centigrade: ")
f = (9*(int(c))/5)+32
print("Temperature in Fahrenheit is: ", f)
```

Python If ... Else

2. Write a python program to compare two values

```
a = 200
b = 33
if b > a:
  print("b is greater than a")
elif a == b:
  print("a and b are equal")
else:
  print("a is greater than b")
```

3. Python program to check whether the given number is even or not.

```
number = input("Enter a number: ")
x = int(number)%2
if x == 0:
    print("The number is Even.")
else:
    print("The number is Odd.")
```

4. Python program to check whether the given integer is a multiple of 5

```
number = int(input("Enter an integer: "))
if(number%5==0):
    print(number, "is a multile of 5")
else:
    print(number, "is not a multiple of 5")
```

Python For Loops

5. Python program to display all the multiples of 3 within the range 10 to 50

```
for i in range(10,50):
    if (i%3==0):
        print(i)
```

Python While Loops

6. Print i as long as i is less than 6

```python
i = 1
while i < 6:
  print(i)
  i += 1
```

7. Python program to find the average of 10 numbers using while loop

```python
count = 0
sum = 0.0
while(count<10):
    number = float(input("Enter a real number: "))
    count=count+1
    sum = sum+number
avg = sum/10
print("Average is :",avg)
```

8. Python program to display the given integer in a reverse manner

```python
number = int(input("Enter a positive integer: "))
rev = 0
while(number!=0):
    digit = number%10
    rev = (rev*10)+digit
    number = number//10
print(rev)
```