

Practical No. 6 (Part A)

Aim: - Write Python program to Convert Celsius to Fahrenheit.

Python Program to Convert Celsius To Fahrenheit

```
# Python Program to convert temperature in celsius to
fahrenheit
# Both Celsius and Fahrenheit are linear temperature scales,
# meaning the relationship between them is linear.
# this allows us to convert temperatures from one scale to
# another using a linear equation.
# change this value for a different result

celsius = 37.5

# calculate fahrenheit
fahrenheit = (celsius *
1.8) + 32
print('%0.1f degree Celsius is equal to %0.1f degree
Fahrenheit'
%(celsius,fahrenheit))
```

Output:

```
37.5 degree Celsius is equal to 99.5 degree Fahrenheit
```

Practical No. 6
(Part B)

Aim: - Write Python program to Check Prime Number.

Python Program to Check Prime Number

```
# Program to check if a number is prime or not
num = 29
# To take input from the user
#num = int(input("Enter a
number: ")) # define a flag
variable
flag = False
# prime numbers are greater
than 1 if num > 1:
    # check for
    factors for i in
    range(2, num):
        if (num % i) == 0:
            # if factor is found, set flag to
            True flag = True
            # break out of
            loop break

# check if flag
is True if flag:
    print(num, "is not a prime
number") else:
print(num, "is a prime number")
```

Result: The practical has been successfully performed & studied.