

ASSIGNMENT-3

Q Write a Python Program to Convert Celsius to Fahrenheit ?

Q Write a python Program to Swap two variables ?

Q Write a Python Program to Check if a Number is Positive,Negative or Zero ?

Q Write a Program to check is number is Odd or Even ?

Q Output Based Questions?

1.

```
temperature = 25
if temperature > 30:
    print("It's hot outside.")
elif temperature > 20:
    print("It's warm outside.")
else:
    print("It's cool outside.")
```

2.

```
num = 42
if num % 2 == 0:
    if num % 7 == 0:
        print("Divisible by both 2 and 7")
    else:
        print("Divisible by 2 but not by 7")
else:
    print("Not divisible by 2")
```

Temperature conversions use the following formulas:

- Temperature in degrees Fahrenheit ($^{\circ}\text{F}$) = (Temperature in degrees Celsius ($^{\circ}\text{C}$) \times $9/5$) + 32
- Temperature in degrees Celsius ($^{\circ}\text{C}$) = (Temperature in degrees Fahrenheit ($^{\circ}\text{F}$) - 32) \times $5/9$