

## Assignment - 1

1) Simple Interest =  $(\text{Principal} \times \text{Rate} \times \text{Time}) / 100$

Principal: float (input ("Enter principal amount:"))

rate: float (input ("Enter rate of interest:"))

time: float (input ("Enter time in years:"))

Simple interest =  $(\text{Principal} \times \text{rate} \times \text{time}) / 100$

Print ("Simple Interest is:", simple\_interest)

2) Maximum of Three Numbers using if-else

a: float (input ("Enter first number:"))

b: float (input ("Enter second number:"))

c: float (input ("Enter third number:"))

if  $a > b$  and  $a > c$ :

maximum = a

elif  $b > a$  and  $b > c$ :

maximum = b

else:

maximum = c

Print ("The maximum number is:", maximum)

3) Print Even Numbers between 1 and 50

Print ("Even numbers between 1 and 50:")

for i in range (1, 51):

if  $i \% 2 == 0$ :

Print (i, end=" ")

4) Check whether a year is a leap year

year: int (input ("Enter a year:"))

if  $(\text{year} \% 4 == 0 \text{ and } \text{year} \% 100 != 0) \text{ or } (\text{year} \% 400 == 0)$ :

Print (year, " is a leap year.")

else:

Print (year, " is not a leap year.")

5) Print Multiplication Table of a Given Number

number: int (input ("Enter a number to print its multiplication table:"))

Print ("Multiplication Table of", number)

for i in range (1, 11):

Print (f"{number} x {i} = {number \* i}")