**Python**

**lesson 1**

I like apple

I like icecream

2

2

<class 'int'>

<class 'str'>

oooooooooooooooooooooooooooooooooooooooo

<class 'str'>

<class 'str'>

<class 'str'>

<class 'str'>

print("I like apple")

print('I like icecream')

print('I like chocolate")

print(2)

print('2')

print(type(2))

print(type('2'))

print('\n''ooooooooooooooooooooooooooooooooo')

print(type('abcdefgooooooooo\n''ooooooooo'))

print(type('123454312368'))

print(type('!@#$%^&\*'))

print(type(' '))

**lesson 2**

print('I am Teacher htay.\n''I am a Woman.')

print('\tI am Teacher Htay.\n''I am a woman.')

**Lesson 3**

5

A

A

<class 'int'>

<class 'str'>

<class 'float'>

<class 'bool'>

<class 'bool'>

<class 'list'>

<class 'tuple'>

4

<class 'int'>

banana

<class 'str'>

print(5)

print('A')

print("A")

print(type(5))

print(type('A'))

print(type(20.5))

print(type(True))

print(type(False))

t = ["a","b","c"]

v=("a","b","c")

print(type(t))

print(type(v))

x = 4 # x is of type int

x = "Sally" # x is now of type str

print(x)

x = str(3)    # x will be '3'  
y = int(3)    # y will be 3  
z = float(3)  # z will be 3.0

Sally

3

3

3.0

print(x)

print(y)

print(z)

x = 4

print(x)

4

<class 'int'>

banana

<class 'str'>

print(type(x))

y='banana'

print(y)

print(type(y))

print('\U0001F600')

print('\U0001F600''\U0001F600''\U0001F600')

print("\U0001F923")

print('\U0001F601')

print('\U0001F600')

print('\U0001F602')

print("\N{grinning face}")

print("\N{slightly smiling face}")

print("\N{winking face}")

**converting float to int**

x = 1    # int  
y = 2.8  # float  
z = 1j   # complex  
  
#convert from int to float:  
a = float(x)  
#convert from float to int:  
b = int(y)  
#convert from int to complex:  
c = complex(x)  
print(a)   
print(b)  
print(c)  
  
print(type(a))  
print(type(b))  
print(type(c))

**Random Number**

import random  
print(random.randrange(1, 10))

**Lesson 4**

print(2+2)

print(1000+3000)

print(2-0)

print(2\*0)

print(2/2)

print(2/0)

print(type(3))

print(type(0))

print(type(-80))

print(type(-5.55500))

print('2')

print('2'+'2')

print('2+2')

print('Hello'+'I have millon $.')

print('Hello!','I have millon $.')’

**Lesson 5**

#Arithmetic option

x=9

y=2

add=x+y

print(add)

sub=x-y

print(sub)

mul=x\*y

print(mul)

exp=x\*\*y

print(exp)

Div=x/y

print(Div)

f=x//y

print(f)

m=x%y

print(m)

**Lesson 6**

operation number

print(100+(-100))

print(50+50)

print('80-20')

print(80-20)

print(40\*70)

print(720/608)

print(720%608)

print(3/10)

print(3%10)

print(3//10)

**lesson 7**

a=3

b="Hello"

c=a\*b

d=b\*a

print(c)

print(d)

e=a/b

print(e)

**Lesson 8**

a=' Ohio,is the one city of America '

Ohio,is the one city of America

OHIO,IS THE ONE CITY OF AMERICA

ohio,is the one city of america

Ohio,is the one city of USA

Ohio,is the one city of America

print(a)

print(a.upper())

print(a.lower())

print(a.replace('America','USA'))

print(a.strip())

**Lesson 9**

print('today'\*19)

todaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytodaytoday

SepSepSepSepSepSepSepSepSep

I want to eat.

I can write.

I can read

There are three students.

Jason

print(9\*'Sep')

apple='I want to eat.'

print(apple)

z='I can write.'

print(z)

aa='I can read'

print(aa)

print='apple'

print(print)

my\_student='There are three students.'

print(my\_student)

my\_std1='Jason'

print(my\_std1)

**Lesson 10**

my\_std2='Lynn Wadi Htut'

print(my\_std2)

abc=2

Lynn Wadi Htut

2

4.0

6.0

deg=4.0

print(abc)

print(deg)

print(abc+deg)

**lesson 11**

x=input('Type your name')

7

Lucky

500

Type your name htay

[\*\*\*]

[\*\*\*\*\*]

Happy birthday htay

Happy birthday htay

Happy birthday htay

print(' [\*\*\*]')

print(' [\*\*\*\*\*]')

print('Happy birthday'+x)

print('Happy birthday',x)

print('Happy birthday'+x)

**cobook1**

print("Hello Nice to meet u ")

print('Hello, World!')

mm = input("What’s your name?\t")

print('My name is ',mm)

**cobook2**

x = 4

print('The first number is', x)

y = int(input('Enter second number'))

print( 'addition is\t ', x+y )

print('substraction is\t ',x - y )

print('multiplication is\t ', x \* y )

print('division is\t ', x/y )

print('remainder is\t ', x%y )

**Age**

1. Create a program that asks the user to enter their name and their age. Print out a message addressed to them that tells them the year that they will turn 100 years old.

name = input("What is your name: ")

age = int(input("How old are you: "))

year = 2023 - age + 100

print(name + ", you will be 100 years old in the year " + str(year))

**Greeting 1**

name=input("Enter your: ")

age=input('Type your age:')

eyecolor=input('Tellme your eye color')

print("Hello, I am ",name )

print("My age is ",age)

print("Welcome to Python class!")

print('I like my eye color ',eyecolor,'very much!')

**Greeting 2**

name=input("Enter your name: ")

age=input("Enter your age: ")

print("Hi")

print("My name is ",name)

print("I am "+age+ " years old.")

print("Nice to meet you")

print("My name is %s . I am %s years old." %(name,age))

**Story**

title=input('Type the title as you like')

thing=input('You can choose the things.')

color=input('choose one color')

print(' ',title,'')

print('\tI have a',thing, '.' , 'It is',color, '.')

**order**

#food==noodles,traditionalfoods,junk foods,sushi,fried rice,sandwich

#drink==juice,coffee,water,tea,green tea

#table=

#bill

food=input('Choose one food')

drink=input('What do you want to drink?')

bill=input('plz give the cost ')

table=input('plz go to table:')

print('I have order from table' , table , '.' 'They order ' ,food, 'and' ,drink, '.' 'The cost is',bill)

### Convert radians into degrees

Write a function in Python that accepts one numeric parameter. This parameter will be the measure of an angle in radians. The function should convert the radians into degrees and then return that value.

While you might find a Python library to do this for you, you should write the function yourself. One hint you get is that you’ll need to use Pi in order to solve this problem. You can import the value for Pi from Python’s math module.

### 2. Sort a list

Create a function in Python that accepts two parameters. The first will be a list of numbers. The second parameter will be a string that can be one of the following values: asc, desc, and none.

If the second parameter is “asc,” then the function should return a list with the numbers in ascending order. If it’s “desc,” then the list should be in descending order, and if it’s “none,” it should return the original list unaltered.

### 3. Convert a decimal number into binary

Write a function in Python that accepts a decimal number and returns the equivalent binary number. To make this simple, the decimal number will always be less than 1,024, so the binary number returned will always be less than ten digits long.

### 4. Count the vowels in a string

Create a function in Python that accepts a single word and returns the number of vowels in that word. In this function, only a, e, i, o, and u will be counted as vowels — not y.

### 5. Hide the credit card number

Write a function in Python that accepts a credit card number. It should return a string where all the characters are hidden with an asterisk except the last four. For example, if the function gets sent “4444444444444444”, then it should return “4444”.

### 6. Are the Xs equal to the Os?

Create a Python function that accepts a string. This function should count the number of Xs and the number of Os in the string. It should then return a boolean value of either True or False.

If the count of Xs and Os are equal, then the function should return True. If the count isn’t the same, it should return False. If there are no Xs or Os in the string, it should also return True because 0 equals 0. The string can contain any type and number of characters.

### 7. Create a calculator function

Write a Python function that accepts three parameters. The first parameter is an integer. The second is one of the following mathematical operators: +, -, /, or . The third parameter will also be an integer.

The function should perform a calculation and return the results. For example, if the function is passed 6 and 4, it should return 24.

### 8. Give me the discount

Create a function in Python that accepts two parameters. The first should be the full price of an item as an integer. The second should be the discount percentage as an integer.

The function should return the price of the item after the discount has been applied. For example, if the price is 100 and the discount is 20, the function should return 80.

### 9. Just the numbers

Write a function in Python that accepts a list of any length that contains a mix of non-negative integers and strings. The function should return a list with only the integers in the original list in the same order.

### 10. Repeat the characters

Create a Python function that accepts a string. The function should return a string, with each character in the original string doubled. If you send the function “now” as a parameter, it should return “nnooww,” and if you send “123a!”, it should return “112233aa!!”.

**# showing maximum and minimum**

Given two numbers, write a Python code to find the Maximum of these two numbers.

a = 2

b = 4

maximum = max(a, b)

print(maximum)

x= input('write the first number')

y= input('write the second number')

minimum1= min(x,y)

maximum1= max(x,y)

print('The minimum number is',minimum1)

print('The maximum number is',maximum1)

write the first number3

write the second number56

The minimum number is 3

The maximum number is 56

1. Given two numbers num1 and num2. The task is to write a Python program to find the addition of these two numbers.

number1 = input("First number: ")

number2 = input("\nSecond number: ")

sum = float(number1) + float(number2)

print("The sum of {0} and {1} is {2}" .format(number1, number2, sum))

1. Factorial of a non-negative integer, is multiplication of all integers smaller than or equal to n.

# Python 3 program to find

# factorial of given number

def factorial(n):

if n < 0:

return 0

elif n == 0 or n == 1:

return 1

else:

fact = 1

while(n > 1):

fact \*= n

n -= 1

return fact

# Driver Code

num = 5

print("Factorial of",num,"is",

factorial(num))

1. Simple interest formula is given by: Simple Interest = (P x T x R)/100 Where, P is the principal amount T is the time and R is the rate **Examples:**

Input : P = 10000  
 R = 5  
 T = 5  
Output :2500.0  
We need to find simple interest on   
Rs. 10,000 at the rate of 5% for 5   
units of time.

# Python3 program to find simple interest

# principal amount, time and

# rate of interest taken from user.

def simple\_interest(p,t,r):

print('The principal is', p)

print('The time period is', t)

print('The rate of interest is',r)

si = (p \* t \* r)/100

print('The Simple Interest is', si)

# Driver code

P = int(input("Enter the principal amount :"))

T = int(input("Enter the time period :"))

R = int(input("Enter the rate of interest :"))

simple\_interest(P,T,R)

1. Take a list, say for example this one:

a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]

and write a program that prints out all the elements of the list that are less than 5.

a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]

for x in a:

1

1

2

3

[1, 1, 2, 3]

if x<5:

print(x)

print( [ x for x in a if x<5 ])

**Length 1**

alp='abcdefghijklmnopqrstuvwxyz'

abcdefghijklmnopqrstuvwxyz

26

a

z

print(alp)

print(len(alp))

print(alp[0])

print(alp[25])

**length 2**

b='This is my favourite fruit'

<class 'str'>

26

T

This is my favourite fruit

This is my favourite fruit

is my favourite fruit

This

is

my

fruit

This

print(type(b))

print(len(b))

print(b[0])

print(b[:])

print(b[0:])

print(b[5:])

print(b[0:4])

print(b[5:7])

print(b[8:10])

print(b[21:26])

print(b[:4])

#plz choose 4 nouns from my sentence.

**Length 3**

BAG='How Are You'

print(BAG)

How Are You

HOW ARE YOU

how are you

How are you

11

H

r

u

Y

How Are You

How

Are

You

Are You

How Are

print(BAG.upper())

print(BAG.lower())

print(BAG.capitalize())

print(len(BAG))

print(BAG[0])

print(BAG[5])

print(BAG[10])

print(BAG[7])

print(BAG[8])

print(BAG[:])

print(BAG[0:3])

print(BAG[4:7])

print(BAG[8:11])

print(BAG[4:])

print(BAG[:7])

BAG='How Are You'

How Are You

u

e

Y

A

How

Are

You

print(BAG)

print(BAG[-1])

print(BAG[-5])

print(BAG[-3])

print(BAG[-7])

print(BAG[-12:-8])

print(BAG[-7:-4])

print(BAG[-3:])

**List 1**

rocket= ['Rachel','Eric','Ruby','Ryan','Auara','Michel']

planet=['Samuel','Victoria','Panny','Poly','Peter','Moode']

print(rocket[5])

Michel

Peter

True

False

True

False

(banana==3)and(zebra==2) False

(banana==3)or(zebra==3) True

True

print(planet[4])

banana=5

zebra=3

print(banana>zebra)

print(banana<zebra)

print(banana!=zebra)

print(banana==zebra)

print('(banana==3)and(zebra==2)',(banana==3)and(zebra==2))

print('(banana==3)or(zebra==3)',(banana==3)or(zebra==3))

age=10

height=60

print((age>=8)and(height>=55))

print(4==4)

True

True

False

True

False

True

print(100>99)

print(65<60)

print(100!=90)

print('TTZ'=='YHT')

print('TTZ'=='TTZ')

**List 2**

planet\_list=['Mercury',' Venus','Earth','Mars','Jupiter','Saturn','Uranus','Neptune']

print(planet\_list)

print(len(planet\_list))

print(type(planet\_list))

planet\_list1=list(('Mercury',' Venus','Earth','Mars','Jupiter','Saturn','Uranus','Neptune'))

print(planet\_list1)

['Mercury', ' Venus', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune']

8

<class 'list'>

['Mercury', ' Venus', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune']

<class 'list'>

Mercury

Neptune

Jupiter

Uranus

Earth

Jupiter

Earth

Uranus

Mercury

Neptune

['Mercury', ' Venus', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune']

['Earth', 'Mars', 'Jupiter']

['Saturn', 'Uranus', 'Neptune']

['Jupiter', 'Saturn', 'Uranus', 'Neptune']

['Earth', 'Mars', 'Jupiter', 'Saturn']

print(type(planet\_list1))

print(planet\_list[0])

print(planet\_list[7])

print(planet\_list[4])

print(planet\_list[6])

print(planet\_list[2])

print(planet\_list[-4])

print(planet\_list[-6])

print(planet\_list[-2])

print(planet\_list[-8])

print(planet\_list[-1])

print(planet\_list[:])

print(planet\_list[2:5])

print(planet\_list[5:])

print(planet\_list[4:])

print(planet\_list[-6:-2])

**List 3**

planet\_list=['Mercury',' Venus','Earth','Mars','Jupiter','Saturn','Uranus','Neptune']

#print(planet\_list)

['Mercury', ' Venus', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune']

['Pluto', ' Venus', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune']

['Pluto', ' Venus', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune', 'Mercury']

['Pluto', ' Venus', 'World', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune', 'Mercury']

['Pluto', ' Venus', 'World', 'Earth', 'Mars', 'Jupiter', 'Saturn', 'Uranus', 'Neptune', 'Mercury', 'Moon', 'Sun', 'Stars']

planet\_list[0]='Pluto'

#print(planet\_list)

#append

planet\_list.append('Mercury')

print(planet\_list)

#insert

planet\_list.insert(2,'World')

print(planet\_list)

#extend

solar\_list=['Moon','Sun','Stars']

planet\_list.extend(solar\_list)

print(planet\_list)

**list 4**

num\_list=list((1,2,3,4,5,6,7,8,9,10))

print(num\_list)

[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

<class 'list'>

['Eng', 'Science', 1, 2, 3, 4, 5]

print(type(num\_list))

mix\_L=['Eng','Science',1,2,3,4,5]

print(mix\_L)

name = input('What is your name?')

greeting = 'Hello ' + name

print (greeting)

print(max(10,19,25,33,56,1))

print(min(10,19,25,33,56,1))

print('bang'.upper())

print('BBBBA'.lower())

msg = 'Python make me happy'

print(msg)

aa = msg.replace('happy',':D')

print(aa)

**list 5**

countdown = [1,2,3]

print(countdown)

countdown.reverse()

print (countdown)

**list 6**

bicycles = ['trek', 'Cannondale', 'redline', 'specialized']

print(bicycles)

['trek', 'Cannondale', 'redline', 'specialized']

trek

Trek

Cannondale

specialized

My first bicycle was a Cannondale.

print(bicycles[0])

print(bicycles[0].title())

print(bicycles[1].title())

print(bicycles[-1])

message = f'My first bicycle was a {bicycles[1].title()}.'

print(message)

**list 7**

motorcycles = ['honda', 'yamaha', 'suzuki']

print(motorcycles)

['honda', 'yamaha', 'suzuki']

['honda', 'yamaha', 'suzuki', 'ducati']

#APPENDING LIST

motorcycles.append('ducati')

print(motorcycles)

#MODIFIING LIST

motorcycles[0] = 'ducati'

print(motorcycles)

['ducati', 'yamaha', 'suzuki', 'ducati']

['honda', 'yamaha', 'suzuki']

['ducati', 'honda', 'yamaha', 'suzuki']

['honda', 'yamaha', 'suzuki']

['yamaha', 'suzuki']

motorcycles = []

motorcycles.append('honda')

motorcycles.append('yamaha')

motorcycles.append('suzuki')

print(motorcycles)

#INSERTING LIST

motorcycles.insert(0, 'ducati')

print(motorcycles)

#DELETING LIST

motorcycles = ['honda', 'yamaha', 'suzuki']

print(motorcycles)

del motorcycles[0]

print(motorcycles)

#POP LIST

#The pop() method removes the last item in a list,

#but it lets you work with that item after removing it

motorcycles = ['honda', 'yamaha', 'suzuki']

print(motorcycles)

popped\_motorcycle = motorcycles.pop()

print(motorcycles)

print(popped\_motorcycle)

['honda', 'yamaha', 'suzuki']

['honda', 'yamaha']

suzuki

['honda']

yamaha

The last motorcycle I owned was a Suzuki.

popped\_motorcycle = motorcycles.pop()

print(motorcycles)

print(popped\_motorcycle)

motorcycles = ['honda', 'yamaha', 'suzuki']

last\_owned = motorcycles.pop()

print(f"The last motorcycle I owned was a {last\_owned.title()}.")

**upper,lower,capitalize**

a duck goes into a bar

A duck goes into a bar...

A Duck Goes Into A Bar...

A DUCK GOES INTO A BAR...

a duck goes into a bar...

A DUCK GOES INTO A BAR...

a marmoset goes into a bar...

a famous duck goes into a famous bar...

setup = 'a duck goes into a bar...'

print(setup.strip('.'))

print(setup.capitalize())

print(setup.title())

print(setup.upper())

print(setup.lower())

print(setup.swapcase())

print(setup.replace('duck', 'marmoset'))

print(setup.replace('a ', 'a famous ', 100))

**list of list**

small\_birds = ['hummingbird', 'finch']

extinct\_birds = ['dodo', 'passenger pigeon', 'Norwegian Blue']

carol\_birds = [3, 'French hens', 2, 'turtledoves']

all\_birds = [small\_birds, extinct\_birds, 'macaw', carol\_birds]

print(all\_birds)

print(all\_birds[0])

print(all\_birds[1])

print(all\_birds[1][0])

print(all\_birds[2])

**If 1**

money=int(input('Enter the money'))

if money<=5000:

print('You can buy burger. ')

if money>5000:

print(''You can buy burger and fries.')

**If 2**

is\_dark = input('Is it dark outside? (y/n)')

if is\_dark == 'y':

print('Goodnight! Zzzzzzzzzzzzzzz....')

**If 3**

tentacles = input('Do you have tentacles? (n/y)')

if tentacles == 'y':

print('I never knew octopuses could type!')

else:

print('Greetings, human!')

**If 4**

weather = input ('What is the forecast for today? (rain/snow/sun)')

if weather == 'rain':

print('Remember your umbrella!')

elif weather == 'snow':

print('Remember your wooly gloves!')

else:

print('Remember your sunglasses!')

**If 5 (even, odd)**

a= input("Enter first number:")

b= input("Enter second number:")

counter= a+b

if ((counter % 2) == 0):

print(counter)

print('is even')

else:

print(counter)

print('is odd')

1. Ask the user for a number. Depending on whether the number is even or odd, print out an appropriate message to the user.

num = int(input("Enter a number: "))

mod = num % 2

if mod > 0:

print("You picked an odd number.")

else:

print("You picked an even number.")

num = int(input("give me a number to check: "))

check = int(input("give me a number to divide by: "))

if num % 4 == 0:

print(num, "is a multiple of 4")

elif num % 2 == 0:

print(num, "is an even number")

else:

print(num, "is an odd number")

if num % check == 0:

print(num, "divides evenly by", check)

else:

print(num, "does not divide evenly by", check)

**for 1**

for thant in range(100):

print('normal')

for thant in range(100):

print(thant)

for thant in range(1,101):

print(thant)

for thant in range(0,31,3):

print(thant)

for yht in 'apple':

print(yht)

for jason in ' I have many experience in coding':

print(jason)

**For 2**

for counter in range(0,4):

print('Victoria\'s room, Keep out!!!')

**for 3**

for hooray in range(1,4):

for hip in range(0,2):

print('Hip')

print('Hooray!!!')

**for 4**

a = [1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89]

for x in a:

if x< 5:

print(x)

print( [ x for x in a if x<=5 ])

**while 1**

hippo=0

ans='y'

while ans =='y':

hippo=hippo+1

print(str(hippo)+' balancing hippos!!')

ans = input('Add another hippo? (y/n)')

**while 2**

while True:

answer = input('Are u bored? (y/n)')

if answer =='y':

print ('ok, we will stop here.')

break

**While 3**

i = 0

# Execute the loop at least once

while True:

    # Perform the desired action

    print("Executing the loop body")

    # Increment the variable

    i += 1

    # Check the condition

    if i >= 5:

        break  # Exit the loop

# Continue with the rest of the code

print("Loop completed")

**while 4 ( 4 and 6 are same)**

#program to sum the continuous number that user entered until typed 0.

sum = 0

while True:

Enter a number (or 0 to exit): 1

Cumulative sum: 1

Enter a number (or 0 to exit): 5

Cumulative sum: 6

Enter a number (or 0 to exit): 8

Cumulative sum: 14

Enter a number (or 0 to exit): 0

Exiting the program.

   number = int(input("Enter a number (or 0 to exit): "))

   if number == 0:

        break

   sum += number

print("Cumulative sum:", sum)

print("Exiting the program.")

**while 5**

#1. program to display numbers from 1 to 5

i = 1

n = 5

#while loop from i = 1 to 5

while i <= n:

print(i)

i = i + 1

**while 6**

#2. program to calculate the sum of numbers until the user enters zero.

total = 0

number = int(input('Enter a number: '))

while number != 0:

total += number

number = int(input('Enter a number: '))

print('total =', total)

**while 7**

3. write the program when your age is greater than 18, show you can vote. **Continuous looping**

age = 32

while age > 18:

print('You can vote')

**while 8**

4. write the program to show '0 1 2 End" using while loop

counter = 0

while counter < 3:

print(counter)

counter = counter + 1

else:

print('End')

**while 9**

a = 2

while a < 10:

a = a+1

print(a)

**Calculator** # First part: Prompt for user input

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

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

print("""

Choose an operation from the list:

1. Addition

2. Subtraction

3. Multiplication

4. Exponentiation

5. Division

6. Division with remainder

""")

op = int(input("Enter the choice number: "))

# Second part: Perform operations based on input

if op == 1:

print("Sum: {} + {} = {}".format(a,b,a+b))

elif op == 2:

print("Difference: {} - {} = {}".format(a,b,a-b))

elif op == 3:

print("Product: {} \* {} = {}".format(a,b,a\*b))

elif op == 4:

print("Power: {}^{} = {}".format(a,b,a\*\*b))

elif op == 5:

try:

print("Quotient: {} / {} = {}".format(a,b,a/b))

except:

print("Division by 0 not possible!")

elif op == 6:

try:

print("Division with remainder: {} / {} = {} Remainder: {}".format(a,b,a//b,a%b))

except:

print("Divsion by 0 not possible!")

else:

print("No such choice!")

**Even odd**

num=int(input("Enter number to check :"))

if(num%2==0):

msg=str(num)+" is an even number"

else:

msg=str(num)+" is an odd number"

print(msg)

**acronyms**

user\_input = str(input("Enter a Phrase: "))

text = user\_input.split()

a = " "

for i in text:

a = a+str(i[5]).upper()

print(a)

count = 0

for i in range(10):

num = int(input('Enter a number: '))

if num>10:

count=count+1

print('There are', count, 'numbers greater than 10.')

count1 = 0

count2 = 0

for i in range(10):

num = int(input('Enter a number: '))

if num>10:

count1=count1+1

if num==0:

count2=count2+1

print('There are', count1, 'numbers greater than 10.')

print('There are', count2, 'zeroes.')

count = 0

for i in range(1,101):

if (i\*\*2)%10==4:

count = count + 1

print(count)

#Tedious code like this can often be greatly simplified with lists and loops:

#questions = ['What is the capital of France?', 'Which state has only one neighbor?']

#answers = ['Paris','Maine']

num\_right = 0

guess = input('What is the capital of France?: ')

if guess=='paris':

print('Correct!')

num\_right+=1

else:

print('Wrong. The answer is Paris.')

print('You have', num\_right, 'out of 1 right')

#Question 2

print('Which state has only one neighbor?', end=' ')

guess = input()

if guess=='maine':

print('Correct!')

num\_right+=1

else:

print('Wrong. The answer is Maine.')

print('You have', num\_right, 'out of 2 right,')

# Prime determination method

number = int(input("Enter the input Range : "))

for iter in range(2,number):

for i in range(2,iter):

if (iter%i==0):

break

else:

print(iter)















