2023

ASSIGNMENT-2

PYTHON

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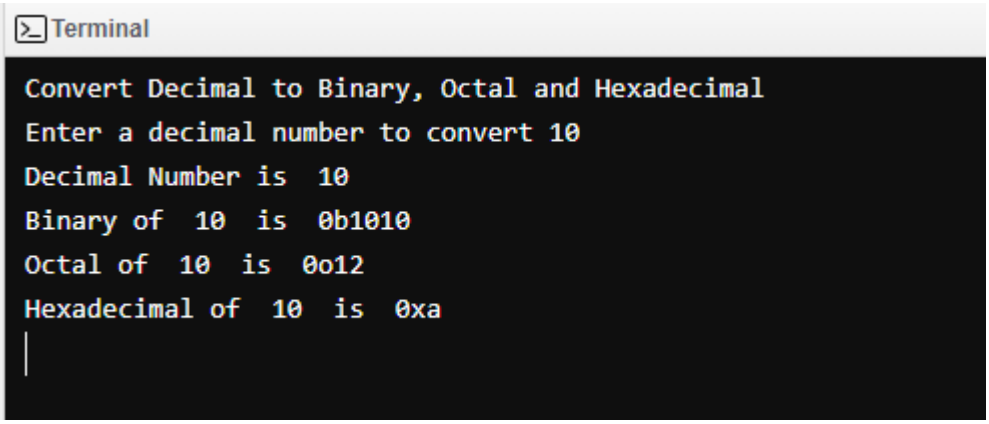
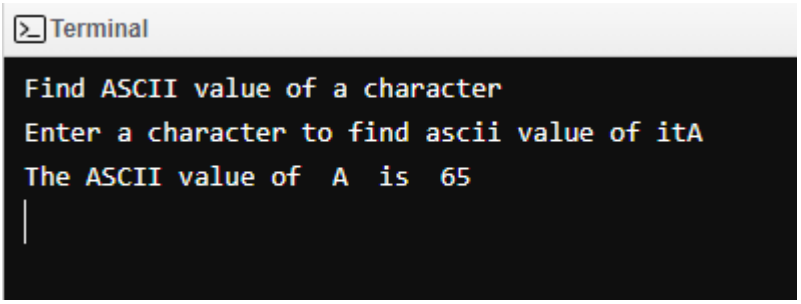
1. Python Program to Convert Decimal to Binary, Octal and Hexadecimal

```
print('Convert Decimal to Binary, Octal and Hexadecimal')

a = int(input('Enter a decimal number to convert '))

b = bin(a)

h = hex(a)

o = oct(a)

print("Decimal Number is ",a)

print("Binary of ",a," is ",b)

print("Octal of ",a," is ",o)

print("Hexadecimal of ",a," is ",h)
```



2. Python Program To Find ASCII value of a character

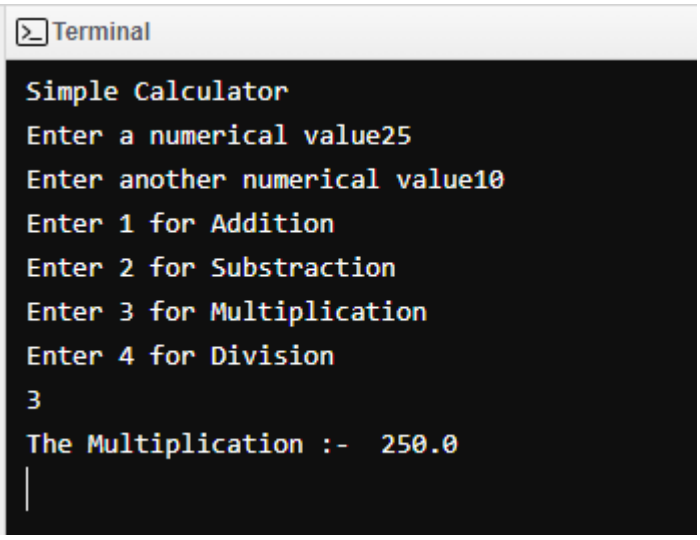
```
print('Find ASCII value of a character')

a = input('Enter a character to find ascii value of it')

print('The ASCII value of ',a,' is ',ord(a))
```



3. Python Program to Make a Simple Calculator

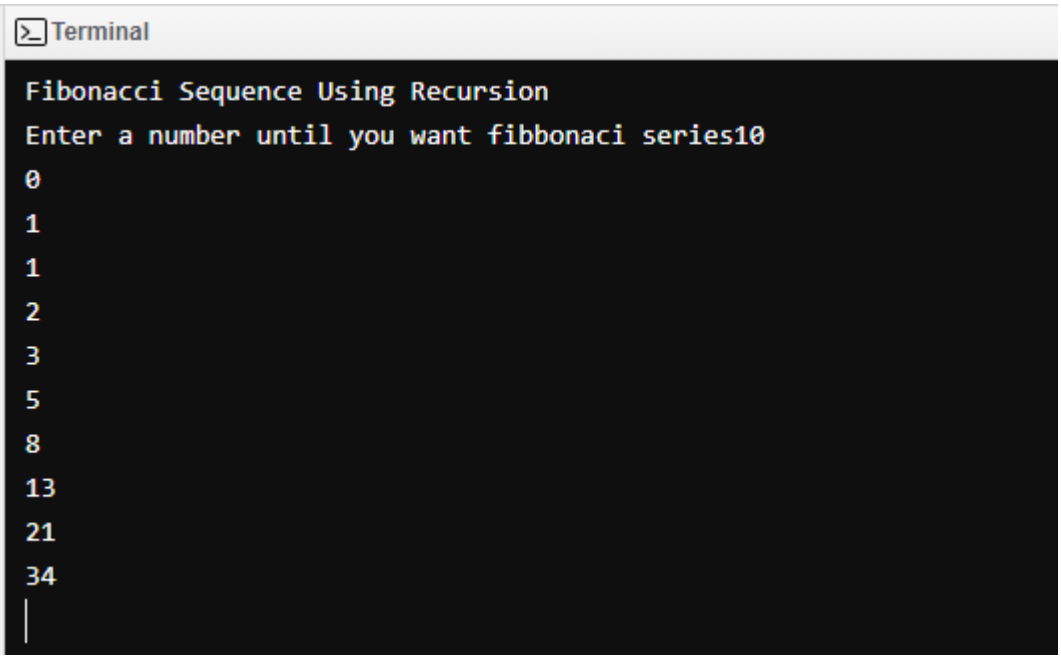
```
print('Simple Calculator')

a = float(input('Enter a numerical value'))

b = float(input('Enter another numerical value'))

print('Enter 1 for Addition')

print('Enter 2 for Substraction')

print('Enter 3 for Multiplication')

print('Enter 4 for Division')


def add(a,b) :

    r = a+b

    print('The Addition :- ',r)

def sub(a,b) :

    r = a-b

    print('The Substraction :- ',r)

def mul(a,b) :

    r = a*b

    print('The Multiplication :- ',r)

def div(a,b) :

    r = a/b

    print('The Division :- ',r)


c = int(input())

if c==1 :

    add(a,b)

elif c==2 :
```

```
    sub(a,b)
elif c==3 :
    mul(a,b)
else :
    div(a,b)
```



4. Python Program to Display Fibonacci Sequence Using Recursion

```
print('Fibonacci Sequence Using Recursion')

n = int(input('Enter a number until you want fibbonaci series'))

def fib(c) :

   if c<=1 :

      return c

   else :

      return (fib(c-1) + fib(c-2))

for i in range(n):

   print(fib(i))
```



5. Python Program to Find Factorial of Number Using Recursion

```
print("Find Factorial")

a = int(input('Enter a number to find factorial'))

b = a

f = 1

def fact(a):

   if a == 0:

      f = 1

   else :

      f =a*fact(a-1)

   return f;

print(fact(b))
```