

Exponentiation

```
for i in range(1,31):
    if i==30:
        print(0.01*(2**i))
```

Simple Calculator

```
x=int(input())
y=int(input())
z=x+y
print(z)
```

FizzBuzz

```
n = int(input())

for x in range(1, n,2):
    if x % 3 == 0 and x % 5 == 0:
        print("SoloLearn")
    elif x % 3 == 0:
        print("Solo")
    elif x % 5 == 0:
        print("Learn")
    else:
        print(x)
```

Celsius to Fahrenheit

```
+13
```

```
#You missed the main formula
celsius = int(input())
```

```
def conv(c):
    #your code goes here
    return (c*9/5)+32
```

```
fahrenheit = conv(celsius)
print(fahrenheit)
```

Book Titles

```
file = open("/usercode/files/books.txt", "r")

#your code goes here
fileLines = []
for lines in file:
    fileLines.append(lines)
length = 1
for n in fileLines:
```

```

    if length == len(fileLines):
        print(n[0] + str(len(n)))
    else:
        print(n[0] + str(len(n)-1))
    length += 1
file.close()

```

Longest Word

```

text = input().split()
length = [len(x) for x in text]
maximum = max(length)
text_index = length.index(maximum)
print(text[text_index])

```

Fibonacci

```

num = int(input())

def fibonacci(n):
    if n <= 1:
        return n
    else:
        return fibonacci(n-1) + fibonacci(n-2)

```

```

for i in range(num):
    print(fibonacci(i))

```

Juice Maker

```

class Juice:
    def __init__(self, name, capacity):
        self.name = name
        self.capacity = capacity

    def __str__(self):
        return (self.name + ' ('+str(self.capacity)+'L)')

    def __add__(self, newJuice):
        self.name += "&" + str(newJuice.name)
        self.capacity += newJuice.capacity
        return self.__str__

```

```

a = Juice('Orange', 1.5)
b = Juice('Apple', 2.0)

```

```
print(a.__add__(b)())
```

Phone Number Validator

```
import re
#your code goes here

number = input()
```

```
pattern = r'1|8|9{1}[0-9]'
```

```
if re.match(pattern, number) and len(number) == 8:
    print("Valid")
```

```
else:
    print("Invalid")
```

Adding Words

```
def concatenate(*args):
    x = (args)
    print(x[0] + "-" + x[1] + "-" + x[2] + "-" + x[3])

concatenate("I", "love", "Python", "!")
```