

```
In [ ]: 1 def greet
        2     print "hello world"
```

```
In [ ]: 1
        2 print
```

```
In [ ]: 1 def add
        2     """
        3     [DOCSTRING]
        4     This fuction adds two numbers.
        5     Parameter :
        6     - x(int): the first number
        7     - y(int): the second number
        8
        9     Returns
       10     int : the sum of two numbers x and y
       11     """
       12     return +
       13 print      2 3    # (2,3) are arguments
```

```
In [ ]: 1      2 3
```

In []:

```
1 print
```

In []:

```
1 def printline
2     = input "ENTER NAME : "
3     print
4
```

In []:

```
1 def printline
2     print
3     input "ENTER NAME : "
```

In []:

```
1 def printline
2     return
3 print     input "ENTER NAME : "
```

In []:

```
1 def printline
2     = input "Enter Your Name : "
3     return
4 print
```

In []:

```
1 def checkevenodd
2     if %2==0
3         print f"        is even"
4     else
5         print f"        is even"
6         int input "ENTER A NUMBER : "
```

In []:

```

1 def sumsub
2     sum= +
3     = -
4     return sum
5 print      3 4
6 # OR
7     =      8 9
8 print
9 print

```

In []:

```

1 import
2 def calculator
3     sum= +
4     = -
5     = *
6     = /
7     =
8     return sum
9 sum      =      3 2
10 print "sum : " sum
11 print "sub : "
12 print "mul : "
13 print "div : "
14 print "exp : "

```

In []:

```

1 def square =20
2     return *
3 print      #default
4 print      2

```

```
In [ ]: 1 def sub
        2     return -
        3 print    100 200
        4 print    200 100
        5 print    100 200 300
```

```
In [ ]: 1 def wish
        2     print "Hello"
```

```
In [ ]: 1     ="Harsh"     ="How are you? "
```

```
In [ ]: 1     ="How are you? "     ="Harsh"
```

```
In [ ]: 1     "C++" "Good Morning"
```

```
In [ ]: 1     "Julia"     ="Good Night"
```

```
In [ ]: 1     = "Harsh" "How are you"
```

```
In [ ]: 1     "Go"     ="Paaji"
```

```
In [ ]: 1 def sum *
        2     = 0
        3     for in
        4         +=
        5     print "The sum is"
```

```
In [ ]: 1 sum 9 1 2 8 10
```

```
In [ ]: 1     = 5
2 def fun
3     =100
4     print
5
6 print
```

```
In [ ]: 1     = 5
2 def fun
3     global
4     =100
5     print
6
7 print
```

```
In [ ]: 1 def numberrange
2     if 0<= <=10
3         print f"    is in the range "
4     else
5         print f"    is not in the range "
6         int input "ENTER A NUMBER : "
```

```

In [ ]: 1  = int input "ENTER NUMBER : "
        2      =
        3      = 0
        4  #to find the digit
        5  while      >0
        6      =      +1
        7      =      //10
        8  #last digit
        9      = %10
        10 #removing last digit
        11 = //10
        12 #first digit
        13 = // 10**      -2
        14 #remaining digit
        15 = % 10**      -2
        16 #concatating numbers
        17 =      * 10**      -2  +
        18 =      *10+
        19 print

```

```

In [ ]: 1 def f
        2     def g
        3         print "Inside g function"
        4         print "inside f function"
        5

```

```

In [ ]: 1 def f
        2     def g
        3         print "Inside g function"
        4         print "inside f function"
        5
        6

```

```

In [ ]: 1 def g
        2     def h
        3         = 'abc'
        4         return
        5         = +1
        6         print "IN G FUCTION X IS"
        7         print
        8         return
        9     =3
        10    =
        11    print

```

In []:

1

In [48]:

```

1 def find
2     =0
3     while True
4         = +1
5         =
6         if *1.5==
7             print f"      is exactly 1.5 times of      "
8             break
9 def numswitch
10     = %10
11     = //10
12     =
13     = 0
14     while >0
15         +=1
16         = //10
17         = * 10**      +
18     return
19

```

In [86]:

```

1 def kaprekar
2     = **2
3     = 0
4     = 0
5     =
6     while >0
7         +=1
8         = //10
9         = // 10**
10        = *10+ % 10**
11    if %10==0 and //10 + ==
12        print f"      is a kaprekar number"
13    elif + ==
14        print f"      is a kaprekar number"
15    #print(f"{x} is not a kaprekar number")
16

```

In [87]:

```
1 for i in range(1, 10000):  
2
```


In [96]:

```
1 sum = 0
2     = 0
3     = 0
4     = 0
5 max = 0
6     = 0
7 while True
8     = int input "ENTER NUMBER : "
9     if     ==0
10        max =
11        if     ==1
12            if >max
13                = max
14                max =
15            else
16                =
17                +=1
18        sum+=
19        = sum/
20        if >max
21            = max
22            max =
23        if <max and >=
24            =
25        = int input "ENTER 1 IF U WANT TO CONTINUE AND ANY OTHER NUMBER TO EXI
26        if     == 1
27            continue
28        else
29            break
30 print sum      max
```

In [104]:

```
1 sum = 0
2     = 0
3     = 0
4 min = 0
5     = 0
6     = 0
7 while True
8     = int input "ENTER NUMBER : "
9     if >100
10         +=1
11     if ==0
12         min =
13     if ==1
14         if <min
15             = min
16             min =
17         else
18             =
19             +=1
20     sum+=
21     if <min
22         = min
23         min =
24     if <min and >=
25         =
26     = int input "ENTER 1 IF U WANT TO CONTINUE : "
27     if == 1
28         continue
29     else
30         break
31 if ==0
32     print f" sum-min- / -2 "
33 else
34     print "VALUE GREATER THEN 100 IS NOT ALLOWED"
```

In [25]:

```
1  for i in range(1, 10000):
2      sum = 0
3      count = 1
4      num = 1
5      while num > 0:
6          sum = sum + num % 10
7          num *= 10
8          count = count // 10
9      if sum + count == 10:
10         print(i)
```

In [49]:

```
1  for i in range(1, 1001):
2      n = i
3      while n > 0:
4          if n % 10 == 1 or n % 10 == 6 or n % 10 == 8 or n % 10 == 9 or n % 10 == 4:
5              n = n // 10
6              continue
7          else:
8              break
9      else:
10         n = i
11         n = 0
12         while n > 0:
13             if n % 10 == 6:
14                 n = n * 10 + 9
15             elif n % 10 == 9:
16                 n = n * 10 + 6
17             else:
18                 n = n * 10 + n % 10
19             n = n // 10
20         if n == i:
21             print(i)
22
```

```
In [64]: 1 for i in range(1, 101):
2         =
3         while i != 1:
4             =
5             sum = 0
6             while sum > 0:
7                 sum += i % 10 ** 2
8                 = i // 10
9                 i = sum
10            if i == 4:
11                break
12        else:
13            print
```

```
In [83]:
```

1	
---	--

```
In [ ]:
```

1	
---	--