

functions

In python function is defined using the def keyword.

Ex

```
def my_function():  
    print('Hello from a function')
```

To call the function.

To call the function using function name followed by parenthesis.

```
def my_function():  
    print('Hello from a function')  
my_function()
```

functions use:-

In small size coding we will use
In case of large size coding can't use it will be
very confusing so we have to use function
on that condition.

You can pass the data, known as parameters,
into a function.

A function can return data as a
result.

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S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
30	31				1			1	2	3	4	5			1	2				
2	3	4	5	6	7	8	6	7	8	9	10	11	12	3	4	5	6	7	8	9
9	10	11	12	13	14	15	13	14	15	16	17	18	19	10	11	12	13	14	15	16
16	17	18	19	20	21	22	20	21	22	23	24	25	26	17	18	19	20	21	22	23
23	24	25	26	27	28	29	27	28	29	30	31			24	25	26	27	28	29	30

Use parameter (or) arguments

```
def print_name (name):
```

```
    print ('Name' : name)
```

→ use name parameter.

```
print_name ('Dhoni')
```

```
print_name ('Kholi')
```

↳ output.

Name : Dhoni.

Name : Kholi.

```
def print_name (name, age)
```

```
    print ('Name' : str(name) name + 'age' : str(age))
```

Can't add string and integer value at the one time. So change into str(age).

```
print ('Dhoni', 39) print
```

```
print_name ('Dhoni', 39)
```

```
print_name ('Kholi', 32)
```

↳ output

Name : Dhoni . age : 39

Name : Kholi . age : 32

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Monday

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PRINCE
 PIPING SYSTEM

```
def cal(a, b):
    return a+b, a-b, a*b, a/b, a%.b
```

```
ans = cal(10, 3)
```

```
print('ans')
```

```
(13, 7, 30, 3.33, 1)
```

If in function

```
def num(x):
```

```
    if (x%2 == 0):
```

```
        print('Even')
```

```
    else:
```

```
        print('odd')
```

```
num(x)
```

↳ you get a answer.

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30	31			1			1	2	3	4	5			6	7	8	9	10	11	12
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22