

1) Function to add two numbers

```
def add(a, b):  
    return a + b
```

```
print(add(5, 3))
```

2) Function to check even / odd

```
def is_even(n):  
    if n % 2 == 0:  
        return "Even"  
    else:  
        return "Odd"
```

```
print(is_even(7))
```

3) Function to find factorial

```
def factorial(n):  
    f = 1  
    for i in range(1, n+1):  
        f = f * i  
    return f
```

```
print(factorial(5))
```

4) Function to check prime number

```
def is_prime(n):  
    if n <= 1:  
        return False  
    for i in range(2, n):  
        if n % i == 0:  
            return False  
    return True
```

```
print(is_prime(13))
```

5) Function to reverse a string

```
def reverse_string(text):  
    return text[::-1]
```

```
print(reverse_string("python"))
```

6) Function returns maximum in a list

```
def max_in_list(lst):  
    return max(lst)
```

```
print(max_in_list([10, 45, 23, 76, 2]))
```

7) Function with default argument

```
def greet(name="User"):
    return "Hello " + name
```

```
print(greet())
```

```
print(greet("Athar"))
```

8) Function to count vowels

```
def count_vowels(s):
    vowels = "aeiouAEIOU"
    count = 0
    for ch in s:
        if ch in vowels:
            count += 1
    return count
```

```
print(count_vowels("Education"))
```