

# String-1

```
def hello_name(name):  
    return 'Hello ' + name + '!'  
print(hello_name('Panji'))
```

➦ Hello Panji!

```
def make_abba(a, b):  
    return a+b+b+a  
print(make_abba('Hi', 'Bye'))
```

➦ HiByeByeHi

```
def make_tags(tag, word):  
    return '<' + tag + '>' + word + '</' + tag + '>'  
print(make_tags('i', 'Hello'))
```

➦ <i>Hello</i>

```
def make_out_word(out, word):  
    return out[:2] + word + out[2:]  
print(make_out_word('<<>>', 'Yay'))
```

➦ <<Yay>>

```
def extra_end(str):  
    return str[-2:] + str[-2:] + str[-2:]  
print(extra_end('Hello'))
```

➦ lololo

```
def first_two(str):  
    return str[:2]  
print(first_two('Hello'))
```

➦ He

```
def first_half(str):  
    half_length = len(str) // 2  
    return str[:half_length]  
print(first_half('WooHoo'))
```

➦ Woo

```
def without_end(str):  
    return str[1:-1]  
print(without_end('Hello'))
```

➦ ell

```
def combo_string(a, b):  
    if len(a) < len(b):  
        short = a  
        long = b  
    else:  
        short = b  
        long = a  
    return short + long + short  
print(combo_string('Hello', 'hi'))
```

➦ hiHellohi

```
def non_start(a, b):  
    return a[1:] + b[1:]  
print(non_start('Hello', 'There'))
```

➦ ellohere

```
def left2(str):  
    return str[2:] + str[:2]  
print(left2('Hello'))
```

↗ 1loHe

## Logic-1

```
def cigar_party(cigars, is_weekend):  
    if is_weekend:  
        return cigars >= 40  
    else:  
        return 40 <= cigars <= 60  
print(cigar_party(30, False))
```

↗ False

```
def date_fashion(you, date):  
    if you <= 2 or date <= 2:  
        return 0  
    elif you >= 8 or date >= 8:  
        return 2  
    else:  
        return 1  
print(date_fashion(5, 10))
```

↗ 2

```
def squirrel_play(temp, is_summer):  
    if is_summer:  
        return 60 <= temp <= 100  
    else:  
        return 60 <= temp <= 90  
print(squirrel_play(70, False))
```

↗ True

```
def caught_speeding(speed, is_birthday):  
    if is_birthday:  
        speed -= 5  
  
    if speed <= 60:  
        return 0  
    elif 61 <= speed <= 80:  
        return 1  
    else:  
        return 2  
print(caught_speeding(65, False))
```

↗ 1

```
def sorta_sum(a, b):  
    if 10 <= (a + b) <= 19:  
        return 20  
    else:  
        return a+b  
print(sorta_sum(9, 4))
```

↗ 20

```
def alarm_clock(day, vacation):  
    if vacation:  
        if day in [0, 6]:  
            return "off"  
        else:  
            return "10:00"  
    else:  
        if day in [0, 6]:  
            return "10:00"  
        else:  
            return "7:00"  
print(alarm_clock(1, False))
```

↩ 7:00

```
def love6(a, b):  
    return a == 6 or b == 6 or a + b == 6 or abs(a - b) == 6  
print(love6(6, 4))
```

↩ True

```
def in1to10(n, outside_mode):  
    if outside_mode:  
        return n <= 1 or n >= 10  
    else:  
        return 1 <= n <= 10  
print(in1to10(5, False))
```

↩ True

```
def near_ten(num):  
    return num % 10 <= 2 or num % 10 >= 8  
print(near_ten(12))
```

↩ True