Ternary Operator

It simply allows testing a condition in a single line replacing the multiline if-else making the code compact.

- **Syntax** ━

```
[on_true] if [expression] else [on_false]
```

- **For ex-**

```
# to check whether a number is odd or even



a=10;
if a%2==0:
    print("Even")
else:
    print("Odd")

print("Even Number") if(a%2==0) else print("Odd Number");
```

```
if x>10:
    print("A")
elif x>5 and x<10:
    print("B")
else:
    print("C")


ontrue check
print("A") if x>10 else print("C)

print("A") if x>10 else print("B") if x>5 and x<10 else print("C)
```

Python provides three logical operators:

1. and
2. or
3. not

PROBLEM

```
# For English Subject, Check whether Rahul passed or not
 subject = "english";
passing_marks = 70;
rahul_marks = 75;
rahul_subject = "english";
```

WHILE LOOP

```
jump=1;
while(jump<=100):
      print("jump");
      #will print jump 100 times
      jump=jump+1;
```