## Program 1

Implement the Propositional basic logic gates along with implies and biconditional

## Program

```
a = True
b = True
print(a and b)#And operation
print(a or b)#or operation
print(not a)# not operation
print(not b)# not operation
print((not a) or b)#implication operation
bic=(not a or b)and (not b or a)#biconditional operation
print(bic)
```

## Output

```
a = False
b = False
print(a and b) #And operation
print(a or b) #or operation
print(not a) # not operation
print(not b) # not operation
print((not a) or b) #implication operation
bic=(not a or b) and (not b or a) #biconditional operation
print(bic)
```

False
False
True
True
True
True
True
True
True

+ Code + Markdown

False True True False True False

+ Code + Markdown