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Section	DM
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Question 1:
Output:
(Conjunction)

```
run:
Consider number for every proposition..
1. (True)Sunbla is the student of Discrete structure
2. (True)Sunbla get an A in DS
3. (False)Sunbla is not the student of Discrete structure
4. (False)Sunbla doesn't get an A in DS
Conjuntion Truth Table
 p       q       p AND q
 1       1         1
 1       0         0
 0       1         0
 0       0         0
True
Sunbla is the student of Discrete structure And Sunbla get an A in DS
```

(Disjunction)

```
Consider number for every proposition..
1. (True)Sunbla is the student of Discrete structure
2. (True)Sunbla get an A in DS
3. (False)Sunbla is not the student of Discrete structure
4. (False)Sunbla doesn't get an A in DS
Disjunction Truth Table
 p       q       p OR q
 1       1         1
 1       0         1
 0       1         1
 0       0         0
True
Sunbla is not the student of Discrete structure OR Sunbla doesn't get an A in DS
```

(Exclusive OR)

```
Consider number for every proposition..
1. (True)Sunbla is the student of Discrete structure
2. (True)Sunbla get an A in DS
3. (False)Sunbla is not the student of Discrete structure
4. (False)Sunbla doesn't get an A in DS
Exclusive OR Truth Table
 p       q       p XOR q
 1       1         0
 1       0         1
 0       1         1
 0       0         0
True
Sunbla get an A in DS XOR Sunbla doesn't get an A in DS
```

(Conditional)

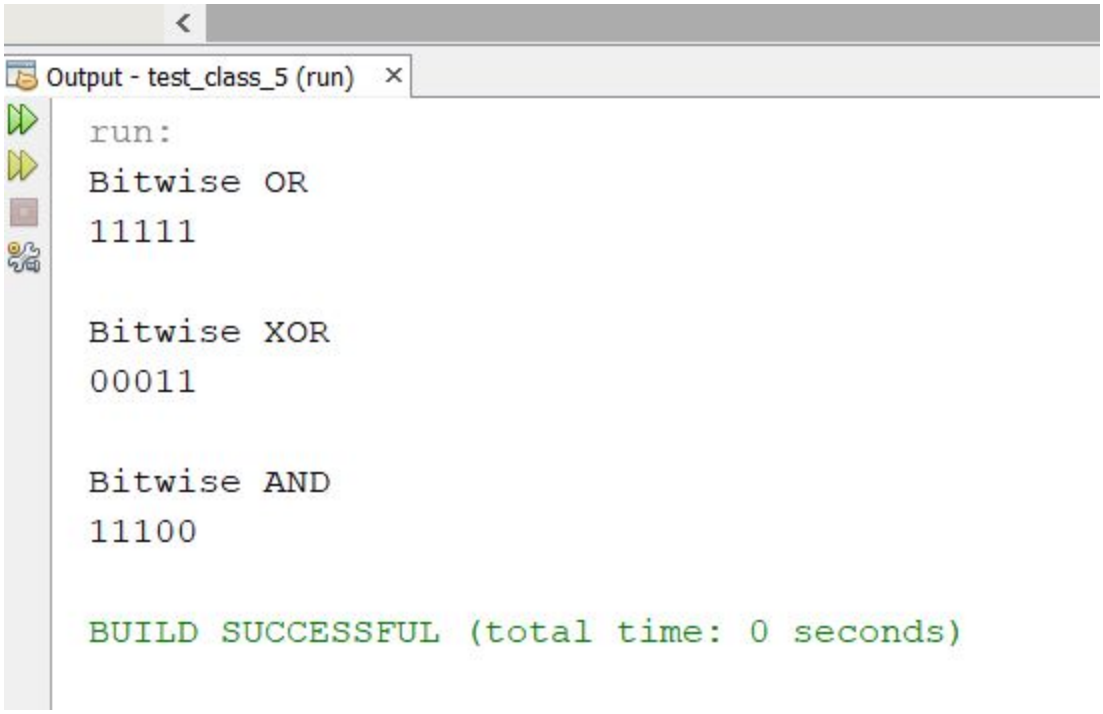
```
Consider number for every proposition..
1. (True)Sunbla is the student of Discrete structure
2. (True)Sunbla get an A in DS
3. (False)Sunbla is not the student of Discrete structure
4. (False)Sunbla doesn't get an A in DS
Conditional Truth Table
 p       q       p -> q
 1       1         1
 1       0         0
 0       1         1
 0       0         1
False
If Sunbla is the student of Discrete structure then Sunbla doesn't get an A in DS
```

(Biconditional)

```
Consider number for every proposition..
1. (True)Sunbla is the student of Discrete structure
2. (True)Sunbla get an A in DS
3. (False)Sunbla is not the student of Discrete structure
4. (False)Sunbla doesn't get an A in DS
Biconditional Truth Table
 p       q       p <-> q
 1       1         1
 1       0         0
 0       1         0
 0       0         1
False
If and only if Sunbla get an A in DS then Sunbla is not the student of Discrete structure
BUILD SUCCESSFUL (total time: 0 seconds)
```

Question 2:

Output:


Output - test_class_5 (run)
run:
Bitwise OR
11111
Bitwise XOR
00011
Bitwise AND
11100
BUILD SUCCESSFUL (total time: 0 seconds)

Question 3 & 4:
Output: