Lab9 – FOL to CNF   Output

Ankith S (1BM20CS017)

```
: #Test 1
  main()
```

```
Enter FOL:
∀x food(x) => likes(John, x)
The CNF form of the given FOL is:
~ food(A) V likes(John, A)
```

```
: #Test 2
  main()
```

```
Enter FOL:
∀x[∃z[loves(x,z)]]
The CNF form of the given FOL is:
[loves(x,B(x))]
```

```
: #Test 3
  main()
```

```
Enter FOL:
[american(x)^weapon(y)^sells(x,y,z)^hostile(z)] => criminal(x)
The CNF form of the given FOL is:
[~american(x)V~weapon(y)V~sells(x,y,z)V~hostile(z)] V criminal(x)
```