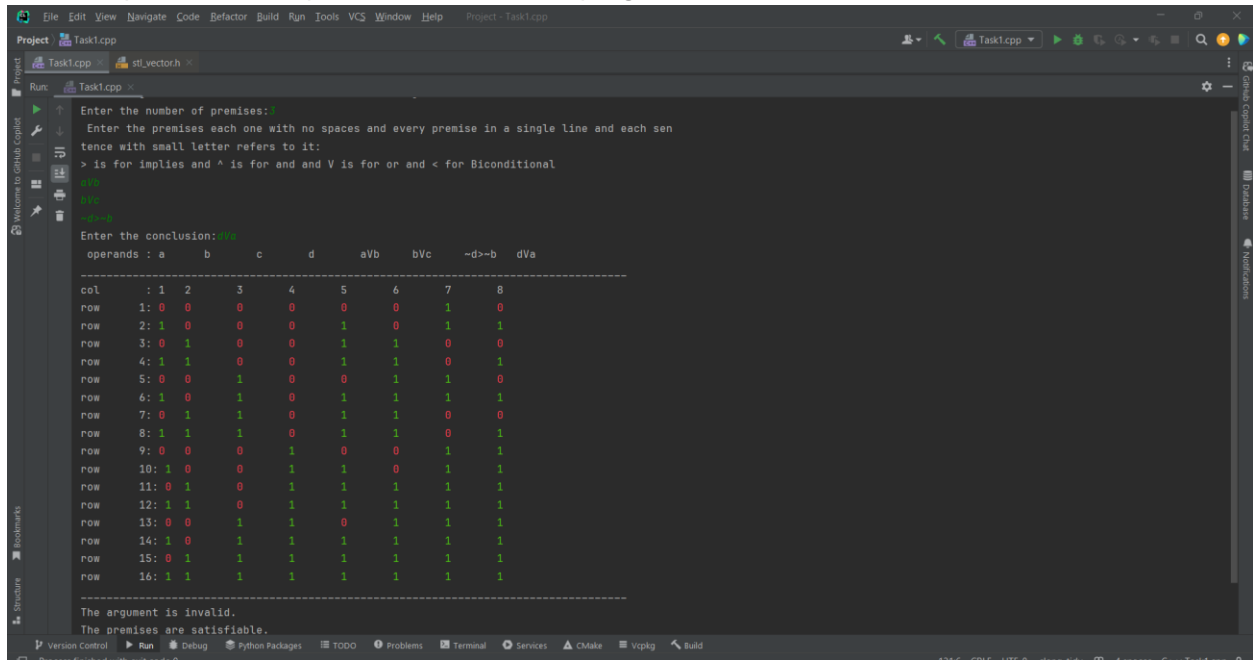


Code output and example on how to use the programme :



The screenshot shows a C++ program in Visual Studio Code. The program prompts the user to enter the number of premises and then the premises themselves. It then prompts for a conclusion. The output displays a truth table for the premises and the conclusion, with columns for operands (a, b, c, d) and logical expressions (aVb, bVc, ~d>-b, dVa). The table shows 16 rows of results. The program concludes by stating "The argument is invalid. The premises are satisfiable."

```
Enter the number of premises: 3
Enter the premises each one with no spaces and every premise in a single line and each sentence with small letter refers to it:
> is for implies and ^ is for and and V is for or and < for Biconditional
OK
OK
OK
Enter the conclusion: aVb
operands : a      b      c      d      aVb      bVc      ~d>-b      dVa
-----
col   : 1 2      3      4      5      6      7      8
row 1: 0 0      0      0      0      0      0      1      0
row 2: 1 0      0      0      0      1      0      1      1
row 3: 0 1      0      0      0      1      1      0      0
row 4: 1 1      0      0      0      1      1      0      1
row 5: 0 0      1      0      0      0      1      1      0
row 6: 1 0      1      0      0      1      1      1      1
row 7: 0 1      1      0      0      1      1      0      0
row 8: 1 1      1      0      0      1      1      0      1
row 9: 0 0      0      1      0      0      0      1      1
row 10: 1 0      0      1      0      1      0      1      1
row 11: 0 1      0      1      0      1      1      1      1
row 12: 1 1      0      1      0      1      1      1      1
row 13: 0 0      1      1      0      1      1      1      1
row 14: 1 0      1      1      0      1      1      1      1
row 15: 0 1      1      1      0      1      1      1      1
row 16: 1 1      1      1      0      1      1      1      1
-----
The argument is invalid.
The premises are satisfiable.
```