Q) Write a program in C to Display the Boolean Truth Table for AND, OR , NOT

#include <stdio.h>

int main()

{

int a[2][2],b[2][2],i,j,and[2][2],or[2][2],not[2];

for(i=0;i<2;i++){

for(j=0;j<2;j++){

and[i][j]=i&j;

or[i][j]=i||j;

}

not[i]=!i;

}

printf("AND GATE-- \n\n");

printf(" A B A&B \n");

for(i=0;i<2;i++){

for(j=0;j<2;j++){

printf(" %d %d %d\n",i,j,and[i][j]);

}

}

printf("\n");

printf("OR GATE-- \n\n");

printf(" A B A||B \n");

for(i=0;i<2;i++){

for(j=0;j<2;j++){

printf(" %d %d %d\n",i,j,or[i][j]);

}

}

printf("\n");

printf("NOT GATE-- \n\n");

printf(" A !A \n");

for(i=0;i<2;i++){

printf(" %d %d\n",i,not[i]);

}

return 0;

}

