PAGE NO. :
DATE : / /

Experiment - 11 (Bitwise Operator)

1) Write a program to apply bitwise OR, AND and NOT Operates on bit level.

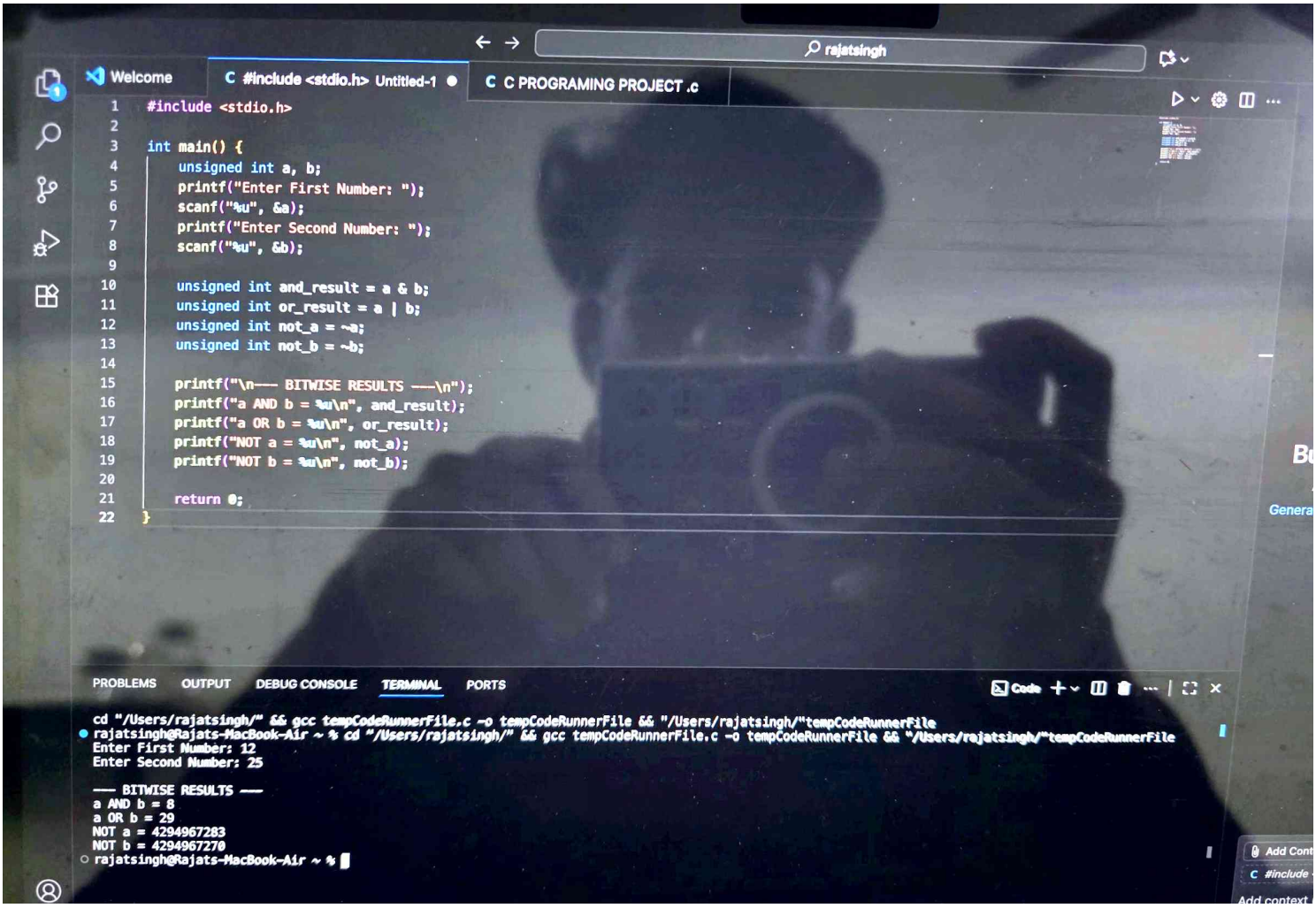
⇒

```
#include <stdio.h>
int main() {
    unsigned int a, b;
printf("Enter First number:");
Scanf("%u", &a);
printf("Enter Second number:");
Scanf("%u", &b);

unsigned int and_result = a & b;
unsigned int or_result = a | b;
unsigned int not_a = ~a;
unsigned int not_b = ~b;

printf("\n--- BITWISE RESULTS ---\n");
printf("a AND b = %u\n", and_result);
printf("a OR b = %u\n", or_result);
printf("NOT a = %u\n", not_a);
printf("NOT b = %u\n", not_b);

return 0;
}
```


rajatsingh
Welcome
#include <stdio.h> Untitled-1
C PROGRAMING PROJECT .c
#include <stdio.h>
int main() {
unsigned int a, b;
printf("Enter First Number: ");
scanf("%u", &a);
printf("Enter Second Number: ");
scanf("%u", &b);
unsigned int and_result = a & b;
unsigned int or_result = a | b;
unsigned int not_a = ~a;
unsigned int not_b = ~b;
printf("\n--- BITWISE RESULTS ---\n");
printf("a AND b = %u\n", and_result);
printf("a OR b = %u\n", or_result);
printf("NOT a = %u\n", not_a);
printf("NOT b = %u\n", not_b);
return 0;
}
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
cd "/Users/rajatsingh/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/Users/rajatsingh/"tempCodeRunnerFile
rajatsingh@Rajats-MacBook-Air ~ % cd "/Users/rajatsingh/" && gcc tempCodeRunnerFile.c -o tempCodeRunnerFile && "/Users/rajatsingh/"tempCodeRunnerFile
Enter First Number: 12
Enter Second Number: 25
--- BITWISE RESULTS ---
a AND b = 8
a OR b = 29
NOT a = 4294967283
NOT b = 4294967270
rajatsingh@Rajats-MacBook-Air ~ %