PAGE NO. :
DATE : / /

Experiment - 13 (MACROS in C)

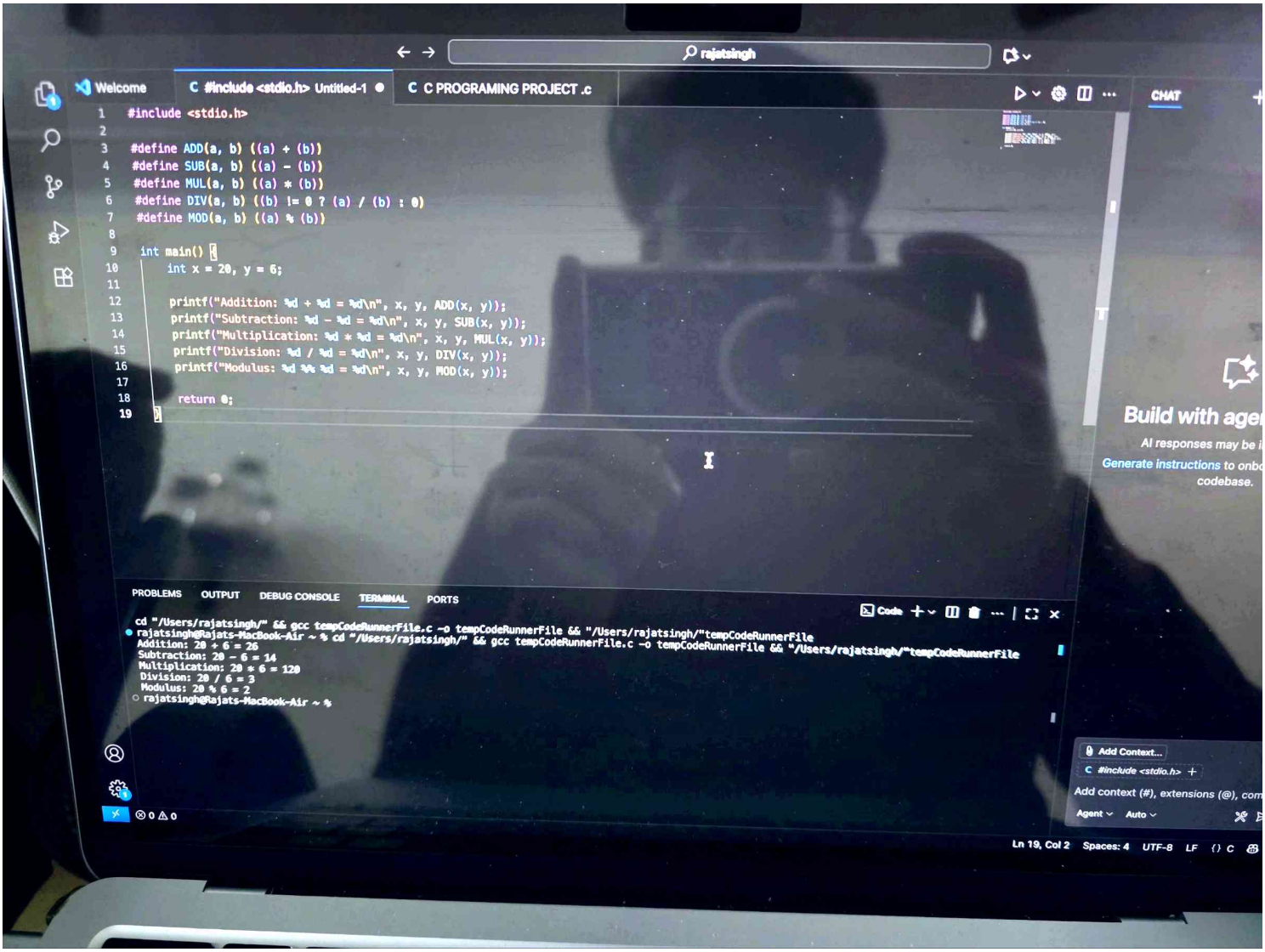
Q. WAP to define multiple macros to perform arithmetic functions.

```
#include <stdio.h>
#define ADD (a,b) ((a)+(b))
#define SUB (a,b) ((a)-(b))
#define MUL (a,b) ((a)*(b))
#define DIV (a,b) ((b)!=0?(a)/(b):0)
#define MOD (a,b) ((a)%(b))

int main () {
    int x = 20 , y = 6;
printf ("Addition : %d + %d = %d \n", x, y, ADD (x,y));
printf ("SUBSTRACTION: %d - %d = %d \n", x, y, SUB (x,y));
printf ("Multiplication : %d * %d = %d \n", x, y, MUL (x,y));
printf ("Division : %d / %d = %d \n", x, y, DIV (x,y));
printf ("Modulus : %d %% %d = %d \n", x, y, MOD
                                    (x,y));

return 0;

}
```


rajatsingh
Welcome
#include <stdio.h> Untitled-1
C PROGRAMING PROJECT .c
CHAT
#include <stdio.h>
#define ADD(a, b) ((a) + (b))
#define SUB(a, b) ((a) - (b))
#define MUL(a, b) ((a) * (b))
#define DIV(a, b) ((b) != 0 ? (a) / (b) : 0)
#define MOD(a, b) ((a) % (b))
int main() {
int x = 20, y = 6;
printf("Addition: %d + %d = %d\n", x, y, ADD(x, y));
printf("Subtraction: %d - %d = %d\n", x, y, SUB(x, y));
printf("Multiplication: %d * %d = %d\n", x, y, MUL(x, y));
printf("Division: %d / %d = %d\n", x, y, DIV(x, y));
printf("Modulus: %d %% %d = %d\n", x, y, MOD(x, y));
return 0;
}
Build with age
AI responses may be i
Generate instructions to onbo
codebase.
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
Addition: 20 + 6 = 26
Subtraction: 20 - 6 = 14
Multiplication: 20 * 6 = 120
Division: 20 / 6 = 3
Modulus: 20 % 6 = 2
rajatsingh@Rajats-MacBook-Air ~ %
Add Context...
#include <stdio.h>
Add context (#), extensions (@), com
Agent
Auto
Ln 19, Col 2
Spaces: 4
UTF-8
LF
C