

C programming31 for loop

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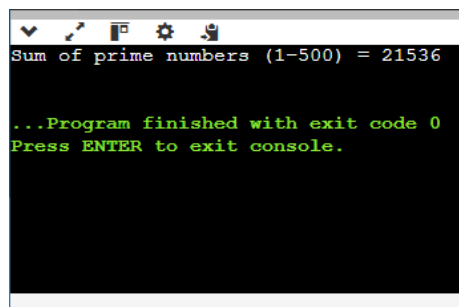
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1 Find out summation of prime numbers between 1 and 500

```
#include <stdio.h>

int main() {
    int i, j, flag, sum = 0;

    for (i = 2; i <= 500; i++) {
        flag = 1;
        for (j = 2; j <= i / 2; j++) {
            if (i % j == 0) {
                flag = 0;
                break;
            }
        }
        if (flag)
            sum += i;
    }
    printf("Sum of prime numbers (1{500) = %d\n", sum);
    return 0;
}
```



A screenshot of a terminal window with a black background and white text. The window has a standard macOS-style title bar at the top with icons for window control (red, yellow, green buttons), zoom, and a help icon. The text inside the terminal reads: "Sum of prime numbers (1-500) = 21536" on the first line, followed by "...Program finished with exit code 0" on the second line, and "Press ENTER to exit console." on the third line. The text is in a monospaced font.

```
Sum of prime numbers (1-500) = 21536

...Program finished with exit code 0
Press ENTER to exit console.
```

Figure 1: Enter Caption