

```
#include <stdio.h>

int main() {
    int n;

    printf("Enter a positive integer: ");
    scanf("%d", &n); 50

    if (n <= 0) {
        printf("Please enter a positive integer");
        return 1;
    }

    printf("Prime numbers between 1 and %d are", n);
    for (int i = 2; i <= n; i++) {
        int prime = 1; 50

        for (int j = 2; j * j <= i; j++) {
            if (i % j == 0) {
                prime = 0;
                break;
            }
        }

        if (prime) {
            printf("%d ", i);
        }
    }

    printf("\n");

    return 0;
}
```

1 = true
0 = false
any number besides 0 = true

2.3.4