

C programming30 for loop

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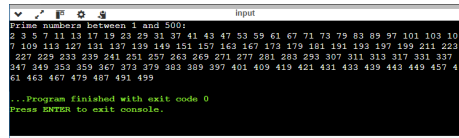
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1 Print all prime numbers between 1 and 500

```
#include <stdio.h>

int main() {
    int i, j, flag;
    printf("Prime numbers between 1 and 500:\n");

    for (i = 2; i <= 500; i++) {
        flag = 1;
        for (j = 2; j <= i / 2; j++) {
            if (i % j == 0) {
                flag = 0;
                break;
            }
        }
        if (flag)
            printf("%d ", i);
    }
    return 0;
}
```



```
Input
Prime numbers between 1 and 500:
2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97 101 103 107
109 113 127 131 137 139 149 151 157 163 167 173 179 181 191 193 197 199 211 223
227 229 233 239 241 251 257 263 269 271 277 281 283 293 307 311 313 317 331 337
347 349 353 359 367 373 379 383 389 397 401 409 419 421 431 433 439 443 449 457 4
61 463 467 479 487 491 499
...Program finished with exit code 0
Press RETURN to exit console.
```

Figure 1: Enter Caption