

Problem37 : Find summation of prime no. between 1 and 500.

Code :

```
#include <stdio.h>
```

```
int main() {  
    int num, i;  
    int sum = 0;
```

```
    printf("Prime numbers between 1 and 500  
are:\n");
```

```
    for(num = 2; num <= 500; num++) {  
        for(i = 2; i <= num / 2; i++) {  
            if(num % i == 0) {  
                break;  
            }  
        }  
        if(i > num / 2) {  
            printf("%d ", num);  
            sum += num;
```

```
    }  
}  
  
printf("\nsum= %d\n", sum);  
  
return 0;  
}
```

Output:

Sum = 21536