

**Problem36** : Print all prime no. between 1 and 500

**Code** :

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

```
int main() {  
    int num, i;
```

```
    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; // not prime  
            }  
        }  
        if(i > num / 2) { // loop finished without  
break  
            printf("%d ", num);  
        }  
    }
```

```
}  
  
    return 0;  
}
```

### **Output:**

Prime numbers between 1 and 500 are:  
2 3 5 7 11 13 17 19 23 29 ... 499