

## Experiment 6-4

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

```
int ISPRIME (int num) {
    if (num <= 1)
        return 0;
```

```
for (int i = 2; i <= num / 2; i++) {
    if (num % i == 0)
        return 0;
```

}

return 1;

}

```
int main () {
    int start, end;
```

```
Printf ("____ Prime Number Generator -- /n");
Printf ("Enter starting number: ");
Scanf ("%d", &start);
Printf ("Enter ending number: ");
Scanf ("%d", &end);
```

```
Printf (" /n Prime numbers between %d and %d are:
/n", start, end);
```

```
for (int i = start; i <= end; i++) {  
    if (ISPRIME(i))  
        printf("%d", i);  
    printf("\n");  
}  
return 0;
```

Remarks:

Teacher's Signature \_\_\_\_\_

Compiler

bin.c

#include <stdio.h>

- int IS\_PRIME(int num) {

- if (num <= 1) {

- return 0;

- }

- for (int i = 2; i <= num / 2; i++) {

- if (num % i == 0) {

- return 0;

- }

- }

- return 1;

- }

-

- int main() {

- int start, end;

- printf("--- Prime Number Generator ---\n");

- printf("Enter starting number: ");

- scanf("%d", &start);

- printf("Enter ending number: ");

- scanf("%d", &end);

- printf("\nPrime numbers between %d and %d are:\n", start, end);
- for (int i = start; i <= end; i++) {

Run

Output

--- Prime Number Generator ---  
Enter starting number: 10  
Enter ending number: 50  
  
Prime numbers between 10 and 50 are:  
11 13 17 19 23 29 31 37 41 43 47  
  
== Code Execution Successful ==

