

Code File Edit Selection View Go Run Terminal Window Help



main.c

EXPLORER

OPEN EDITORS

main.c

MAIN.C

.vscode

main.dSYM

#include <stdio.h>

a.out

hello.c

main

main.c

tempCodeRunnerFile

Untitled-1

main.c

main.c > ISPRIME(int)

```
1 #include <stdio.h>
2
3 int ISPRIME(int num) {
4     if (num <= 1)
5         return 0;
6
7     for (int i = 2; i <= num / 2; i++) {
8         if (num % i == 0)
9             return 0;
10    }
11    return 1;
12 }
13
14 int main() {
15     int start, end;
16
17     printf("---- Prime Number Generator ----\n");
18     printf("Enter starting number: ");
19     scanf("%d", &start);
20     printf("Enter ending number: ");
21     scanf("%d", &end);
22
23     printf("\nPrime numbers between %d and %d are:\n", start, end);
24
25     for (int i = start; i <= end; i++) {
26         if (ISPRIME(i))
27             printf("%d ", i);
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

```
abhaygupta@192 main.c % gcc main.c
abhaygupta@192 main.c % ./a.out
---- Prime Number Generator ----
Enter starting number: 3
Enter ending number: 9

Prime numbers between 3 and 9 are:
3 5 7
abhaygupta@192 main.c %
```

OUTLINE  
TIMELINE

main.c



ESC

F1

F2

F3

F4

F5

F6

F7

F8

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%

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&

\*

1

2

3

4

5

6

7

8



Experiment 6.4

```
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;
```

```
}
```

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