

The image shows a Python IDE window with a file named `main.py`. The code defines a function `is_prime` that checks if a number is prime by testing divisibility from 2 to  $\sqrt{n}$ . It then prompts the user to enter a number and prints whether it is a prime number.

```
1 print("Enter a number")
2 num = int(input())
3 if num < 2:
4     return False
5     for i in range(2, num):
6         if num % i == 0:
7             return False
8             return True
9
10 def is_prime(num):
11     return is_prime(num)
12
13 print(num, "is a prime number")
```

The output window shows the execution of the script. It prompts the user to enter a number, and the user enters 13. The output is "13 is a prime number".

```
Enter a number:
13
13 is a prime number
Process finished with exit code 0
```