

Prime Numbers Revisited

This assignment assumes you have already completed the topic 3 A-level program about prime numbers.

Step 1 - Take the logic which determines if a single number is prime (from Topic 3 A-level programming assignment) and place it in a Python function. This function should accept one argument (the number to determine the prime-ness of) and return a Boolean value indicating whether or not that number is prime. The function should not perform any I/O, simply accept the candidate number, determine whether or not it's prime, and return that answer.

Step 2 - Use that function in a new program which will find and display all the prime numbers in a user-supplied range. This new program has no knowledge of how to identify prime numbers. It simply iterates thru the indicated range calling your function repeatedly, and prints (or doesn't) the candidate number based on the answer returned by your function from step 1.

Example run: (bold indicates user input)

```
Welcome to the Wiz-bang prime number finder thingy!
Enter the start of the search range: 20
Enter the end of the search range: 40
The prime numbers between 20 and 40 are:
23
29
31
37
```

Only turn in your code from step 2, which includes the function you wrote in step one.