```c
/*  EE231002 Lab03. Consecutive Primes
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*/
// Can insert a blank line here.
# include <stdio.h>     // to call out standard I/O library
//  Can insert a blank line here.
int main (void)        // main function begin
{
    int num = 3;       // set main number which being examined is it a prime
    int divide = 2;    // set to examine if num is a prime
    int remain;        // to show the remainder of num/divide
    int prime1 = 0;    // set two primes to print on screen
    int prime2 = 2;
    int exit = 1;      // to decide when this number leave the second loop
    int no = 1;        // number to show on screen after #
    for (num = 3; num <= 600000; num++){        // loop to examine every number
    for (num = 3; num <= 600000; num++) {
        exit = 1;                               // reset exit
        divide = 2;                             // reset divide
        for (divide = 2; exit == 1; divide++){ /* loop to examine if num is a
        for (divide = 2; exit == 1; divide++) {
             prime or not by divide num to every number from 2 to num/2+1 */
        remain = num % divide;           // to get remainder of num/devide
            if(remain == 0){  // jump to next number if one remainder = 0
            if (remain == 0){
            exit = 0;
                exit = 0;
            }
            else if(divide * divide >= num){ // direct what to do if it is a pri
me
            // line too long.
            else if (divide * divide >= num) {
            prime1 = prime2;  // make previous prime be replaced by new prime
                prime1 = prime2;
            prime2 = num;
                prime2 = num;
                if(prime2 - prime1 == 2){  /* to check if those
                if (prime2 - prime1 == 2) {
                    two prime are consecutive primes */
                printf ("Consecutive primes #%d: %d, %d\n"
                    printf("Consecutive primes #%d: %d, %d\n" // No space
                , no, prime1, prime2);     //print consecutive primes on the
                    , no, prime1, prime2);
```

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                    // ',' should not be the first character of a line.
31                  // screen with description in the topic
32                no++;                     /* to count how many consecutive
                    no++;
33                  primes on the screen */
34                }
35              exit = 0;                   // make prime exit the second loop
                    exit = 0;
36              }
37          }
38      }
39  return 0;
        return 0;
40  }
41
42
```

// cpu time: 0.153s
// Can use space more effectively.
// Program need proper indentation.
Score: 80