```c
int main (void){

char counter=9, group = 1;
unsigned int prime_num = 1;

 setup_HW;

String_to_PC_Basic("New method_2\r\n1  ");
 while(1){
prime_num = next_prime_number(prime_num);

if(prime_num > 200*group)
{newline_Basic();
counter = 10;
group += 1;
waitforkeypress_Basic();}

if (counter)          //Print them out 10 at a time
{if (counter == 10)
String_to_PC_Basic("\r\n");
Int_to_PC_Basic(prime_num);
Char_to_PC_Basic(' ');
counter -= 1;

if(!(counter)){counter = 10;}}

}}
```