Q5

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| 1. Source Code | |
| using System;  namespace Prime2to50  {  class Program  {  static void Main(string[] args)  {  Console.WriteLine("The first few prime numbers are: ");  for (int count1 = 2; count1 < 50 + 1; count1++)  {  int count2 = 2;  string prime = "yes";  while (count2 \* count2 <= count1)  {  if (count1 % count2 == 0)  {  prime = "no";  }  count2++;  }  if (prime == "yes")  {  Console.WriteLine(count1);  }  }  }  }  } | |
| Marks: |  |
| 1. Screenshots | |
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| Marks: |  |
| 1. Describe the changes that would need to be made to the algorithm: | |
| At the start of the program a value would need to be entered by the user, also doing input sanitisation at the same time with a try-parse statement. This value would then be used in place of the ‘50’ (where the comment is). | |
| Marks: |  |