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| Due Date: | October 2, 4PM |
| Percentage of module mark: | 10% |
| Submission Details: | Submit all answers in the spaces provided in this word doc. |
| Late Penalty: | 20% deducted each day this assignment is late. 4:01PM is late. |

Exercise 8-1 (1 mark)

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| The boolean condition, i<letters.Length determins it.  If the value of i is equal to or grater than letters.Length, then the control exits the for-loop. |

Exercise 8-2 (1 mark)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  int myNumber = 100;    for (int i=0; myNumber <= 200; i++)  {    Console.WriteLine("i=[{0}] \tmyNumber=[{1}]", i, myNumber);  myNumber += 10;  }  Console.ReadLine();  }  }  } |

Exercise 8-3 (3 marks)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  for (int i=0; i < 3; i++)  for (int j=0; j < 3; j++)  for (int k=0; k < 3; k++)  Console.WriteLine("i = {0}\tj = {1}\tk = {2}", i, j, k);  Console.ReadLine();  }  }  } |

Exercise 8-4 ( 2 marks)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  float systolic = 120.0f;  float diastolic = 80.0f;  const float SYSTOLIC\_HIGH = 140.0f;  const float DIASTOLIC\_HIGH = 90.0f;  const float ADDITION\_RATE = 4.0f;    while (systolic < SYSTOLIC\_HIGH && diastolic < DIASTOLIC\_HIGH)  {  systolic += ADDITION\_RATE;  diastolic += ADDITION\_RATE;  Console.Write("Systolic pressure = " + systolic + " ");  Console.WriteLine("Diastolic pressure = " + diastolic);  }  Console.Write("Your blood pressure is too high. See a doctor.");  Console.ReadLine();  }  }  } |

Exercise 8-5 ( 3 marks)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  float[] arrFloat = new float[] { 13.3f, 14.2f, 5.2f};  foreach (float valFloat in arrFloat)  Console.WriteLine(valFloat);  Console.ReadLine();  }  }  } |

Exercise 9-1 (2 marks)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  string fullName = "Dana Meekyung Jin";  char lastChar = fullName[fullName.Length - 1];  Console.WriteLine("fullName=[{0}]\tlastChar=[{1}]", fullName, lastChar);  Console.ReadLine();  }  }  } |

Exercise 9-2

Show your new program.

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| using System;  namespace starter  {  class Program  {  public static void Main()  {  string fullName = "Spencer Potter";  string seperator = " ";  int position = fullName.IndexOf(seperator);  string firstName = "";  for(int idx=0; idx < position; idx++)  firstName += fullName[idx];  string lastName = "";  for (int idx = position + 1; idx < fullName.Length; idx++ )  lastName += fullName[idx];  Console.WriteLine("firstName=[{0}] lastName=[{1}]", firstName, lastName);  Console.ReadLine();  }  }  } |

Exercise 9-3 (3 marks)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  string fullName = "Jeffrey steinberg";  Console.WriteLine("before:\t fullName=[{0}]", fullName);  int idxOfSpace = fullName.IndexOf(' ');  string token = fullName.Substring(idxOfSpace, 2);  fullName = fullName.Replace(token, token.ToUpper());  Console.WriteLine("after:\t fullName=[{0}]", fullName);  Console.ReadLine();  }  }  } |

Exercise 9-4 (1 mark)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  string alphabetIntro = "ABC GHI";  Console.WriteLine(alphabetIntro);  int idxOfBlank = alphabetIntro.IndexOf(' ');  alphabetIntro = alphabetIntro.Insert(idxOfBlank, " DEF");  Console.WriteLine(alphabetIntro);  Console.ReadLine();  }  }  } |

Exercise 9-5 (2 marks)

Show your new program.

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| using System;  namespace Starter  {  class Program  {  public static void Main()  {  string alphabetIntro = "ABCDEFGHI";  Console.WriteLine(alphabetIntro);  const string SUB\_STR = "DE";  string newString = alphabetIntro.Replace(SUB\_STR, "");  Console.WriteLine(newString);  Console.ReadLine();  }  }  } |

Exercise 9-6 (1 mark)

Show your new program.

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| --- |
| using System;  namespace Starter  {  class Program  {  public static void Main()  {  string[] songInfo = {"Radio Nowhere", "Magic Lyrics",  "Bruce Springsteen", "3:19"};  string delimitedString = string.Join("\*", songInfo);  Console.WriteLine("Song information:");  Console.WriteLine(delimitedString);  Console.ReadLine();  }  }  } |

Exercise 9-7 (3 marks)

Show your new program.

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| ^[A-Z][a-z]\*[^-]\s+[A-Z][a-z]\*[^-]$ |

Exercise 9-8 (3 marks)

Show your new program.

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| ^[A-Za-z][A-Za-z\_\-.][\*@madeupinternetcampany.com$](mailto:*@madeupinternetcampany.com$) |

Exercise 9-9 (2 marks)

Show your new program.

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| ^(Cable|DSL)$ |

Exercise 9-10 (3 marks)

Show your new program.

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| ^(110|10\d|[1-9]\d|[1-9])$ |

Exercise 9-11 (3 marks)

Show the new program.

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| ([Gg][Oo][\w\W\s\*]\*){2,} |

Exercise 9-12 (3 marks)

Show the new program.

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