

Systems I CSE 2421

Assignment II

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Due Date: Wednesday 7/29/2020 11:30 pm

```
1  #include<stdio.h>
2
3  void main()
4  {
5      int array[10];
6      int i;
7      printf("enter the element of an array:");
8      for (i = 0; i < 10; i++)
9      {
10         scanf("%d", &array[i]);
11     }
12     printf("Print specific elements of the array ");
13     for (i = 0; i < 10; i += 2)
14     {
15         printf( "%d", array[i]) ;
16     }
17 }
```

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1. Write X86 Assembly code that implements the following C code, in your code ensure that you:
 - (a) Use Assembly directives
 - (b) Use the example in the slides as a starting point.
 - (c) No need to run the code. Output for the code is a plus.
 - (d) Compare your code with an assembly code generated by the gcc compiler. Comment on the differences between your code the generated code.
 - When you check for online resources, make sure you check for AT&T syntax for X86 Assembly.
 - You may use the x86.Cheatsheet.pdf uploaded by Connor in the discussions section on Carmen.