

# Programming I – Assignment 03

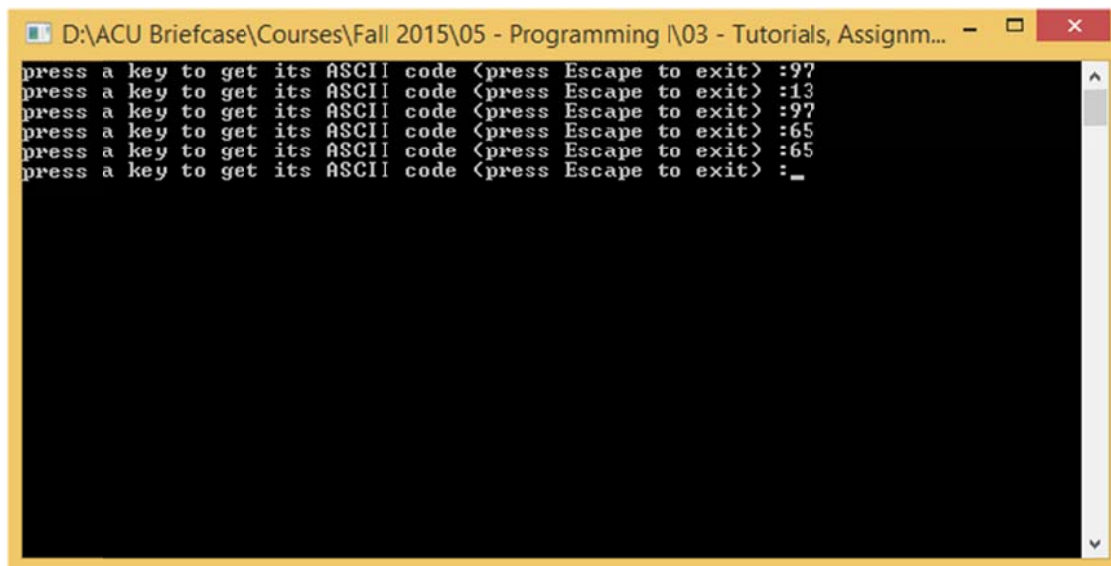
## Loops

#	Student ID	Student Name	Grade (10)
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Delivery Date	
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١. يتم تسليم التمرين محلولا في خلال أسبوعا من تاريخ التمرين، و يتم حذف درجتين من التمرين عن كل أسبوع تأخير
٢. يتم التسليم لمعيد المقرر مباشرة
٣. تتم أجابه التمرين في نفس ورق الأسئلة

Program 3.4: build a program that translates the pressed key to its ASCII codes. Program exit when press <Escape>



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D:\ACU Briefcase\Courses\Fall 2015\05 - Programming \03 - Tutorials, Assignm... - □ ×
press a key to get its ASCII code <press Escape to exit> :97
press a key to get its ASCII code <press Escape to exit> :13
press a key to get its ASCII code <press Escape to exit> :97
press a key to get its ASCII code <press Escape to exit> :65
press a key to get its ASCII code <press Escape to exit> :65
press a key to get its ASCII code <press Escape to exit> :_
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### Solution

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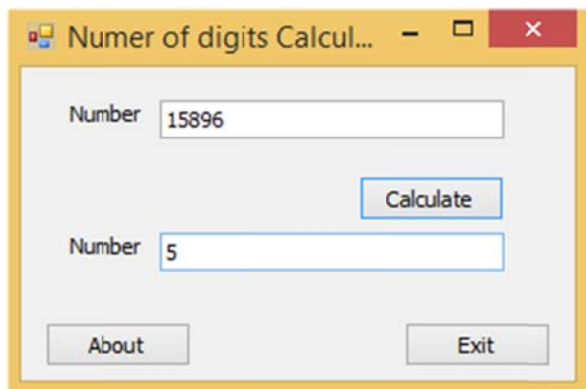
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## Application 3.4 : Build a GUI Program to Count Number of Digits of an Integer



## Solution

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Highlight the box that contains the correct answer

#	a	b	c	d	comment
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2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					

#	Question
1	<p>The correct syntax for running two variable for loop simultaneously is.</p> <p>a) for (i = 0; i &lt; n; i++) for (j = 0; j &lt; n; j += 5)</p> <p>b) for (i = 0, j = 0; i &lt; n, j &lt; n; i++, j += 5)</p> <p>c) for (i = 0; i &lt; n; i++){} for (j = 0; j &lt; n; j += 5){}</p> <p>d) None of the mentioned</p>
2	<p>Which for loop has range of similar indexes of 'i' used in for (i = 0; i &lt; n; i++)?</p> <p>a) for (i = n; i &gt; 0; i-)</p> <p>b) for (i = n; i &gt;= 0; i-)</p> <p>c) for (i = n-1; i &gt; 0; i-)</p> <p>d) for (i = n-1; i &gt; -1; i-)</p>
3	<p>Which of the following cannot be used as LHS of the expression in for (exp1; exp2; exp3) ?</p> <p>a) Variable</p> <p>b) Function</p> <p>c) typedef</p> <p>d) macros</p>
4	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; int main() {     short i;     for (i = 1; i &gt;= 0; i++)         printf("%d\n", i); }</pre> <p>a) The control won't fall into the for loop</p> <p>b) Numbers will be displayed until the signed limit of short and throw a runtime error</p> <p>c) Numbers will be displayed until the signed limit of short and program will successfully terminate</p> <p>d) This program will get into an infinite loop and keep printing numbers with no errors</p>

5	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; void main() {     int k = 0;     for (k)         printf("Hello"); }</pre> <p>a) Compile time error b) hello c) Nothing d) Varies</p>
6	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; void main() {     int k = 0;     for (k &lt; 3; k++)         printf("Hello"); }</pre> <p>a) Compile time error b) Hello is printed thrice c) Nothing d) Varies</p>
7	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; void main() {     double k = 0;     for (k = 0.0; k &lt; 3.0; k++)         printf("Hello"); }</pre> <p>a) Run time error b) Hello is printed thrice c) Hello is printed twice d) Hello is printed infinitely</p>

8	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; int main() {     while ()         printf("In while loop ");     printf("After loop\n"); }</pre> <p>a) In while loop after loop b) After loop c) Compile time error d) Infinite loop</p>
9	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; int main() {     do         printf("In while loop ");     while (0);     printf("After loop\n"); }</pre> <p>a) In while loop b) In while loop after loop c) After loop d) Infinite loop</p>

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| 10 | <p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; int main() {     int i = 0;     do {         i++;         printf("In while loop\n");     } while (i &lt; 3); }</pre> <p>a) In while loop<br/>In while loop<br/>In while loop<br/>b) In while loop<br/>In while loop<br/>c) Depends on the compiler<br/>d) Compile time error</p> |
| 11 | <p>How many times i value is checked in the below code?</p> <pre>#include &lt;stdio.h&gt; int main() {     int i = 0;     while (i &lt; 3)         i++;     printf("In while loop\n"); }</pre> <p>a) 2<br/>b) 3<br/>c) 4<br/>d) 1</p>  |



12	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; void main() {     int i = 2;     do     {         printf("Hi");     } while (i &lt; 2) }</pre> <p>a) Compile time error b) Hi Hi c) Hi d) Varies</p>
13	<p>What is the output of this C code?</p> <pre>#include &lt;stdio.h&gt; void main() {     int i = 0;     while (++i)     {         printf("H");     } }</pre> <p>a) H b) H is printed infinite times c) Compile time error d) Varies</p>

14 What is the output of this C code?

```
#include <stdio.h>
void main()
{
    int i = 0;
    do
    {
        printf("Hello");
    } while (i != 0);
}
```

- a) Nothing
- b) H is printed infinite times
- c) Hello
- d) Run time error