

CISS240: Introduction to Programming
Quiz q1402

Name: _____

Score:

Q1. Write a program that gets two integer n and i from the user and prints i -th digit of n :

- if $n = 13524$ and $i = 0$, then 4 is printed,
- if $n = 13524$ and $i = 1$, then 2 is printed,
- if $n = 13524$ and $i = 2$, then 5 is printed,
- if $n = 13524$ and $i = 3$, then 3 is printed,
- if $n = 13524$ and $i = 4$, then 1 is printed,
- if $n = 13524$ and $i = 5$, then 0 is printed,
- if $n = 13524$ and $i = 6$, then 0 is printed,

Here's a test run:

```
13524 2
5
```

(Yes I know the answer was already given in class.)

ANSWER:

Q2. Write a program that gets an integer n from the user and continually replace n by the sum of the digits of n until a one digit n is reached. The values taken by n is printed. For instance if the user enters $n = 123456$, then $n = 1 + 2 + 3 + 4 + 5 + 6 = 21$, $n = 2 + 1 = 3$. Here's a test run:

```
123456
21
3
```

(Yes I know the answer was already given in class.)

ANSWER: