Students! Get the latest version of Microsoft Office for FREE! SIGN UP NOW LEARN MORE

User: Michael Konoplyan
E-Mail: mikek@learn.flvs.net
In Course: Foundations of Programming/Level 3 V16 (4075)
Instructor: Melissa Crespo
Zoom account: mikek@learn.flvs.net, password:

Exam: 05.01 Number Systems

If you would like to take this exam again, you can **reset the exam** and take it again.

You are allowed to reset this exam 2 more time(s).

Score:
20 of 25 points

Answer Key

Question 1 (Worth 5 points)

(05.01 LC)

The hexadecimal number system uses 16 digits (the numbers 0-9 and the letters A-F).

- (●) True
- ( ) False

Points earned on this question: **5**

Question 2 (Worth 5 points)

(05.01 LC)

Which of the following is an example of a binary number?

- ( ) 15
- (●) 01111
- ( ) F
- ( ) Fifteen

Points earned on this question: **5**

Question 3 (Worth 5 points)

(05.01 MC)

Read the following Python code:

```
students = 25
hexadecimalStudents = hex(students)
print(hexadecimalStudents)
```

Which of the following is the correct output?

- ○ `0b19`
- ○ `0d19`
- ◉ `0x19`
- ○ `0z19`

Points earned on this question: **5**

Question 4 (Worth 5 points)

(05.01 LC)

In Python, what is the purpose of the `bin()` function?

- ○ To add a decimal number to its binary equivalent
- ○ To calculate the average of decimal numbers and their binary equivalents
- ○ To change a binary number to its decimal equivalent
- ◉ To convert a decimal number to its binary equivalent

Points earned on this question: **5**

Question 5 (Worth 5 points)

(05.01 MC)

Read the following Python code:

```
age = 17
binaryAge = bin(age)
print(binaryAge)
```

Which of the following is the correct output?

- ○ `0a10001`
- ○ `0b10001`
- ○ `0d10001`
- ◉ `0x10001`

Points earned on this question: **0**

Instructors monitor ALL areas of a student's account

Student e-mail accounts are to be used for FLVS course-related email only and not for general introductions or spamming of people in your address book.

Please remember to click the Logoff link when you have completed your work in the course.