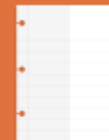


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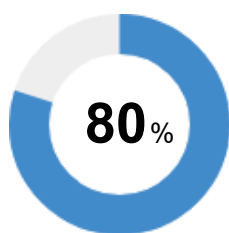
Instructor: Melissa Crespo

Zoom account: mikek@learn.flvs.net, password: 

Exam: 05.01 Number Systems

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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

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