

34 Lecture - CS501

Important Subjective

1. **What is a number system?**

Answer: A number system is a way of representing numerical values using symbols or digits.

What is radix conversion?

Answer: Radix conversion is the process of converting a number from one number system to another.

What is the decimal equivalent of the binary number 1101?

Answer: The decimal equivalent of the binary number 1101 is 13.

What is the binary equivalent of the decimal number 25?

Answer: The binary equivalent of the decimal number 25 is 11001.

What is the octal equivalent of the binary number 101101?

Answer: The octal equivalent of the binary number 101101 is 55.

What is the hexadecimal equivalent of the binary number 111001?

Answer: The hexadecimal equivalent of the binary number 111001 is 39.

What is the decimal equivalent of the octal number 75?

Answer: The decimal equivalent of the octal number 75 is 61.

What is the octal equivalent of the decimal number 83?

Answer: The octal equivalent of the decimal number 83 is 123.

What is the binary equivalent of the hexadecimal number 2F?

Answer: The binary equivalent of the hexadecimal number 2F is 101111.

What is the hexadecimal equivalent of the octal number 67?

Answer: The hexadecimal equivalent of the octal number 67 is 2F.