

2 IWSTG  
NUMERAL SYSTEMS

Version 1

1. Convert the binary number **100110.11** to decimal.
2. Convert the octal number **574** to decimal.
3. Convert the hexadecimal number **2AB** to decimal.
4. Convert the decimal number **932.34** to binary.
5. Convert the decimal number **1275.46** to hexadecimal.
6. Convert the binary number **110111011** to hexadecimal.
7. Add two binary numbers **110011001** and **1110111**.
8. Multiply two binary numbers **110101** and **1101**.

Version 2

1. Convert the binary number **101011.01** to decimal.
2. Convert the hexadecimal number **3CF** to decimal.
3. Convert the decimal number **932.34** to binary.
4. Convert the decimal number **267** to octal.
5. Convert the decimal number **521** to hexadecimal.
6. Convert the binary number **1101011** to octal.
7. Add two binary numbers **111101** and **11**.
8. Multiply two binary numbers **1010101** and **1011**.

Version 3

1. Convert the binary number **1011101** to decimal.
2. Convert the octal number **263** to decimal.
3. Convert the hexadecimal number **2BF** to decimal.
4. Convert the decimal number **843.52** to binary.
5. Convert the decimal number **450.27** to octal.
6. Convert the hexadecimal number **3AB** to binary.
7. Add two binary numbers **1111101** and **10001**.
8. Multiply two binary numbers **1011101** and **1001**.

Version 4

1. Convert the binary number **110101.11** to decimal.
2. Convert the octal number **523** to decimal.
3. Convert the decimal number **863.62** to binary.
4. Convert the decimal number **543** to octal.
5. Convert the decimal number **326** to hexadecimal.
6. Convert the octal number **351** to binary.
7. Add two binary numbers **1111011011** and **1100**.
8. Multiply two binary numbers **100101** and **1011**.

#### Version 5

1. Convert the binary number **110000.11** to decimal.
2. Convert the octal number **371** to decimal.
3. Convert the hexadecimal number **2AC** to decimal.
4. Convert the decimal number **842.64** to binary.
5. Convert the decimal number **252** to hexadecimal.
6. Convert the binary number **1100110011** to hexadecimal.
7. Add two binary numbers **110001011** and **1000111**.
8. Multiply two binary numbers **110001** and **111**.

#### Version 6

1. Convert the binary number **111001.11** to decimal.
2. Convert the hexadecimal number **B2F** to decimal.
3. Convert the decimal number **737.52** to binary.
4. Convert the decimal number **587** to octal.
5. Convert the decimal number **384** to hexadecimal.
6. Convert the binary number **11100011** to octal.
7. Add two binary numbers **110101** and **101101**.
8. Multiply two binary numbers **1011001** and **101**.

#### Version 7

1. Convert the binary number **11001.01** to decimal.
2. Convert the octal number **357** to decimal.
3. Convert the hexadecimal number **C6D** to decimal.
4. Convert the decimal number **538.41** to binary.
5. Convert the decimal number **390** to octal.
6. Convert the hexadecimal number **1FB** to binary.
7. Add two binary numbers **101011** and **11111**.
8. Multiply two binary numbers **110101** and **101**.

#### Version 8

1. Convert the binary number **11101.11** to decimal.
2. Convert the octal number **236** to decimal.
3. Convert the decimal number **931.12** to binary.
4. Convert the decimal number **241** to octal.
5. Convert the decimal number **123** to hexadecimal.
6. Convert the octal number **265** to binary.
7. Add two binary numbers **100100101** and **1011**.
8. Multiply two binary numbers **100111** and **111**.

#### Version 9

1. Convert the binary number **1110.11** to decimal.
2. Convert the octal number **413** to decimal.
3. Convert the hexadecimal number **1CB** to decimal.
4. Convert the decimal number **562.51** to binary.
5. Convert the decimal number **295.47** to hexadecimal.
6. Convert the binary number **100110011** to hexadecimal.
7. Add two binary numbers **1111001** and **1100101**.
8. Multiply two binary numbers **11101** and **101**.

#### Version 10

1. Convert the binary number **11011.01** to decimal.
2. Convert the hexadecimal number **5B3** to decimal.
3. Convert the decimal number **332.82** to binary.
4. Convert the decimal number **362** to octal.
5. Convert the decimal number **425** to hexadecimal.
6. Convert the binary number **11001011** to octal.
7. Add two binary numbers **10110101** and **10101**.
8. Multiply two binary numbers **10101** and **11**.

#### Version 11

1. Convert the binary number **110101** to decimal.
2. Convert the octal number **155** to decimal.
3. Convert the hexadecimal number **B24** to decimal.
4. Convert the decimal number **723.25** to binary.
5. Convert the decimal number **655.14** to octal.
6. Convert the hexadecimal number **FE3** to binary.
7. Add two binary numbers **1001101** and **10111**.
8. Multiply two binary numbers **1111101** and **101**.

#### Version 12

1. Convert the binary number **101011.01** to decimal.
2. Convert the octal number **175** to decimal.
3. Convert the decimal number **761.57** to binary.
4. Convert the decimal number **443** to octal.
5. Convert the decimal number **317** to hexadecimal.
6. Convert the octal number **153** to binary.
7. Add two binary numbers **1100011011** and **101100**.
8. Multiply two binary numbers **10101** and **111**.