Number system

- 3. What is the decimal representation of each of the following unsigned binary integers? a. 11111000 b. 11001010 c. 11110000 4. What is the decimal representation of each of the following unsigned binary integers? a. 00110101 b. 10010110 c. 11001100 11. What is the hexadecimal representation of each of the following binary numbers? a. 1100 1111 0101 0111 b. 0101 1100 1010 1101 c. 1001 0011 1110 1011 12. What is the hexadecimal representation of each of the following binary numbers? a. 0011 0101 1101 1010 b. 1100 1110 1010 0011 c. 1111 1110 1101 1011 13. What is the binary representation of the following hexadecimal numbers? a. E5B6AED7 b. B697C7A1 c. 234B6D92 14. What is the binary representation of the following hexadecimal numbers? a. 0126F9D4 b. 6ACDFA95 c. F69BDC2A 15. What is the unsigned decimal representation of each hexadecimal integer? a. 3A b. 1BF
 - c. 4096
 - 16. What is the unsigned decimal representation of each hexadecimal integer?
 - a. 62
 - b. 1C9
 - c. 6A5B

The number of exercises depend on your number in list - Even or odd

Number system

- **1.** Program to calculate the binary, octal, and hexadecimal equivalent of a given natural number entered from the keyboard.
- **2.** Program that converts a number written in a numeral system with an arbitrary base \mathbf{p} to decimal (the base \mathbf{p} and the digits of the number in base \mathbf{p} are read from the keyboard).
- 3. Program that converts an integer from base p to base q (the bases p and q, as well as the digits of the number in base p, are read from the keyboard).
- 4. Program that converts characters from the ASCII table to decimal and calculates the sum of the entered character string.

For help:

- 1. David Money Harris, Digital Design and Computer Architecture
- 1.4 NUMBER SYSTEMS -p.9-19
- 2. Kip Irvine, Assembly language for x86 Processors
- 1.3 Data Representation p.9-21

https://www.youtube.com/playlist?list=PL0o_zxa4K1BXCpQbUdf0htZE8S S0PYjy-

The list:

1	Amza Vladislav
2	Blandu Andi -
3	Caraman Mihai
4	Cebotari Alexandru
5	Chicu Andrei
6	Chirpicinic Madalina
7	Chirtoaca Liviu
8	Cobzari Ion
9	Coretchii Adriana
10	Crudu Alexandra
11	Grubai Cristian
12	Gurduza Mihai - erasmus
13	HASSINE Mohamed Dhiaeddine
14	lachim Diana
15	lacovlev Maxim-erasmus

Number system

16	lamandi lon
17	Luchian Sava
18	Lupasco Cristian
19	Miricinschi Gabriel
20	Moraru Patricia -erasmus
21	Nicologlo Victoria
22	Petcov Nicolai
23	Ploteanu Ionut Augustin
24	Popescu Sabina
25	Postoronca Dumitru
26	Racovita Dumitru
27	Rabus George
28	Titerez Vladislav
29	Usurelu Cosmin