PPJ08

November 2, 2022

1 Problem 1

Create a program which will print out on console all characters and their numerical values between 75 and 150. The characters should be printed as foolows:

```
c -99
d - 100
```

2 Problem 2

Create a program which will print out first 10 values of a geometric series

$$\sum_{n=1}^{\infty} \frac{1}{2^n}$$

3 Problem 3

Given a byte value between 0 and 15, create a progam which will convert this value to a hexadecimal number and save it as a char variable.

4 Problem 4

Create a program which will read a numerical value size from console and then will print out a pattern below, with size defined a (2size+1)x(2size+1)

```
. . . . x . . . .
. . . x x x . . .
. . x x x x x . .
. x x x x x x x .
x x x x x x x x x
. x x x x x x x .
. . x x x x x . .
. . . x x x . . .
. . . . x . . . .
```

Try creating the solution without the use of tables.

5 Problem 5

Create a program which will read 10 values from the console and save them to a table. Next the program should sum up all those values and print out the sum.