okay, so now what about the registers of these all 8bit MCUs, can you list them?

Sure, here are the registers for the 8-bit MCUs you mentioned:

1. AVR:
    - General Purpose Registers (R0-R31)
    - Program Counter (PC)
    - Status Register (SREG)
    - Stack Pointer (SP)
2. PIC16:
    - General Purpose Registers (W0-W15)
    - Program Counter (PCL/PCH)
    - Status Register (STATUS)
    - Stack Pointer (STKPTR)
3. PIC18:
    - General Purpose Registers (W0-W31)
    - Program Counter (PCL/PCLATH/PCH)
    - Status Register (STATUS)
    - Stack Pointer (STKPTR)
4. PIC24:
    - General Purpose Registers (W0-W31)
    - Program Counter (PC)
    - Status Register (SR)
    - Stack Pointer (SP)
5. 8080:
    - Accumulator (A)
    - General Purpose Registers (B, C, D, E, H, L)
    - Program Counter (PC)
    - Stack Pointer (SP)
    - Flags Register (FLAGS)
6. Z80:
    - Accumulator (A)

General Purpose Registers (B, C, D, E, H, L)
Program Counter (PC)
Stack Pointer (SP)
Flags Register (F)

7. 6502:
    Accumulator (A)
    Index Registers (X, Y)
    Program Counter (PC)
    Stack Pointer (SP)
    Processor Status Register (P)

Note that some of these MCUs may have additional registers for specific purposes, such as I/O registers or special function registers. Also, the names and sizes of the registers may vary depending on the specific implementation of the MCU.