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| **REG Name** | **Type** | **Special Uses** | **Comments** | Largest 32b |
| EAX, AX, AH, AL | General | Result of add, dividend in DIV, and quotient= AL, Remainder= AH | MUL:  Mutiplicand, AL, AX, EAX  Product Etx= AX, DX:AX, EDX:EAX | Signed Int  (2^31) - 1 |
| EBX, BX, BH, BL | General | None |  | $-newarray |
| ECX, CX, CH, CL | General | Loop counter |  | Div by type |
| EDX, DX, DH, DL | General | DIV Remainder =DX or EDX | MUL: Product extension = EDX | Size = #elm. |
| EBP, BP | Multi | Extended Frame Pointer | **STATUS FLAGS** | **Instruction=** |
| ESP, SP | Multi | Extended Stack | Carry (CF)- unsigned is too large | Label, Mn, |
| ESI, SI | Multi | Ext Source index | Overflow (OF)- signed is too large | Operand, |
| EDI, DI | Multi | Ext Destination index | Sign (SF)- result = neg | comment |
| EFLAGS | Special | Can’t be directly accessed | Zero(ZF)- result = 0 |  |
| EIP(instruction pointer) | Special | Can’t be directly accessed | Auxiliary Carry (AC)- from bit 3-4 |  |
| CS, ES, SS, FS, DS, GS | Segment (16big) |  | Parity (PF)- LSB = even 1 bits |  |
| (unsigned) JA = lo>ro, JAE | JB = lo<ro, JBE | (Signed JG) = lo > ro, JGE | JL = lo < ro, JLE ;;;;;;; **JE = lo = ro** | **JNE= lo !=ro** |
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