

## Basic Assembly Assignments

- 1) Write a program to add, subtract, multiply, divide two 8 bit numbers.
- 2) Write a program to add, subtract, multiply, divide two 16 bit numbers.
- 3) Write a program to add, subtract, multiply, divide two 32 bit numbers.
- 4) Write a program to add, subtract, multiply, divide two 64 bit numbers.
- 5) Use LDR and STR, write a program to add, subtract, multiply, and divide two 32 bit numbers.
- 6) Write a program to add two numbers by using below instructions:
  - LDRB
  - LDRSB           //SB-Signed byte
  - LDRH
  - LDRSH           //SH-Signed half word
  - LDRD            //D-Stands for double word
  - STRB
  - STRSB
  - STRH
  - STRSH
  - STRD
  - PUSH
  - POP