University of Central Punjab

(Incorporated by Ordinance No. XXIV of 2002 promulgated by Government of the Punjab)
FACULTY OF INFORMATION TECHNOLOGY

Part 2

Problem 1:

Write an assembly language program to count how many numbers are greater than 130 and save the count in a variable 'Total'.

Let array of size byte:

Index	0	1	2	3	4	5	6	7	8	9
Value	0xAB	0X12	0XEF	0X87	0XAA	0X77	0X7F	0XF3	0X3F	0XAB

Problem 2:

Write an assembly language program to count how many numbers are -ve and save the count in a variable 'Total'.

Let array of size byte:

Index	0	1	2	3	4	5	6	7	8	9
Value	0xAB	0X12	0XEF	0X87	0XAA	0X77	0X7F	0XF3	0X3F	0XAB

Problem 3:

Write an assembly language program to find the sum of all numbers (***unsigned number***) and save the result in a word type variable *total*.

Let array of size byte:

Index	0	1	2	3	4	5	6	7	8	9
Value	0xAB	0X12	0XEF	0X87	0XAA	0X77	0X7F	0XF3	0X3F	0XAB

Problem 4:

Write an assembly language program to find the sum of all numbers (***signed number***) and save the result in a word type variable *total*.

Let array of size byte:

Index	0	1	2	3	4	5	6	7	8	9
Value	0xAB	0X12	0XEF	0X87	0XAA	0X77	0X7F	0XF3	0X3F	0XAB