

Jadavpur University

System Programming Lab

Assignment 2

1. Write and test a program to add and subtract two 16 bit numbers.
2. Write and test a program to Convert a Binary digit to Decimal and vice versa.
3. Write and test a program to print pairs of even numbers where the summation of the numbers in each pair is 100.
4. Write and test a program to multiply two 32 bit numbers.
5. Write and test a program to divide a 16 bit number by a 8 bit number.
6. Write and test a program to Print Fibonacci series up to 10 terms.
7. Write and test a program for sub-string deletion from a given string.
8. Write and test a program to identify the GCD and LCM of three numbers.
9. Write and test a program to Implement Linear and Binary search.
10. Write and test a MASM program to print prime numbers between 1 to 100.
11. Write and test a MASM program to perform Insertion and Selection sort.
12. Write and test a MASM program to rename a file.
13. Write and test a MASM program to print the system time and date.