



ASSIGNMENT 6: Strings

1. Write a program to demonstrate use of string library functions.
 - a. strlen()
 - b. strcpy()
 - c. strcat()
 - d. strcmp()
 - e. strcmp()
 - f. strrev()
 - g. strchr()
 - h. strstr()
 - i. strncpy()
 - j. strncat()
 - k. strncmp()
 - l. strtok()
2. Write a program to simulate the following library function.
 - a. size_t strlen(const char* str);
 - b. char* strcpy(char *dest, const char *src);
 - c. char* strcat(char *dest, const char *src);
 - d. int strcmp(const char *str1, const char *str2);
 - e. int strcmp(const char *str1, const char *str2);
 - f. char* strrev(char* str);
 - g. char* strchr(const char *str, int ch);
 - h. char* strstr(const char *str, const char *substr);
3. Write a function to remove all occurrences of given character from the string.
4. Write a function to remove all occurrences of any character in string1 from the string2.
5. Write a function to convert a string of digits into its numeric equivalent i.e. simulate atoi().
int atoi(const char* string);
6. Write a function to which accepts a number, base and character pointer and converts number to a string i.e. simulate itoa().
char* itoa(int value, char *string, int base);
7. Write a function to convert a number to its roman equivalent. Also write a function to convert a roman number to decimal equivalent.
8. Write a function to print a given number in words.
9. Write a function to find and replace a string using library functions [strstr(), strncpy(), strlen(), strcat(), strcpy(), etc.].
Input :
 Source : This is test time
 Find : is
 Replace: was
Output:
 Thwas was test time
10. Write a function to find and replace a string without using library functions.