



Mawlana Bhashani Science and Technology University

Department of Information and Communication Technology

Assignment: 04

Assignment Name: Library Functions of <stdlib.h>

Device info:

System type: 64-bit operating system

Window Edition: Windows 11 Home Single Language

Code Blocks Version: Code::Blocks 20.03

Submitted By

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Submitted To

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DEPARTMENT OF INFORMATION AND

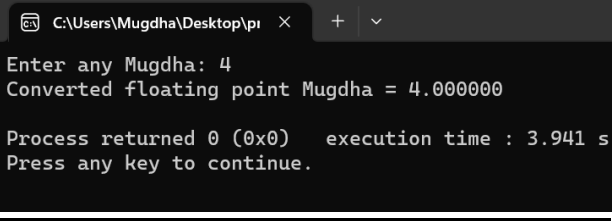
COMMUNICATION TECHNOLOGY

**MAWLANA BHASHANI SCIENCE AND
TECHNOLOGY UNIVERSITY**

Date: 19-08-2023

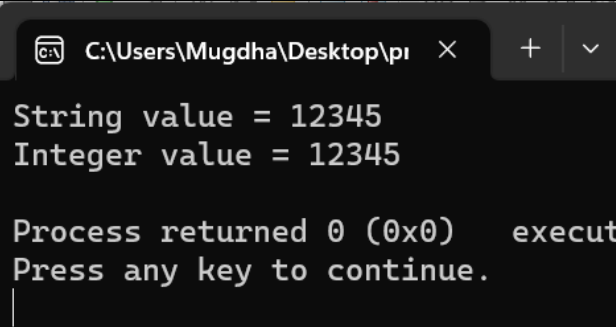
1.atof():

- Convert character string to float.

Code	Input/Output
<pre>#include <stdio.h> #include <stdlib.h> int main() { char Mugdha[30]; double decimalMugdha; printf("Enter any Mugdha: "); fgets(Mugdha, 30, stdin); decimalMugdha = atof(Mugdha); printf("Converted floating point Mugdha = %lf\n", decimalMugdha); return 0; }</pre>	 <pre>C:\Users\Mugdha\Desktop\pr > Enter any Mugdha: 4 Converted floating point Mugdha = 4.000000 Process returned 0 (0x0) execution time : 3.941 s Press any key to continue.</pre>

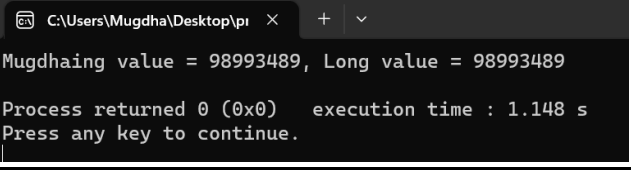
2.atoi():

- Convert a string to an integer.

Code	Input/Output
<pre>#include <stdio.h> #include <stdlib.h> #include <string.h> int main() { int val; char Mugdha[20] = "12345"; val = atoi(Mugdha); printf("String value = %s\n", Mugdha); printf("Integer value = %d\n", val); }</pre>	 <pre>C:\Users\Mugdha\Desktop\pr > String value = 12345 Integer value = 12345 Process returned 0 (0x0) executi Press any key to continue.</pre>

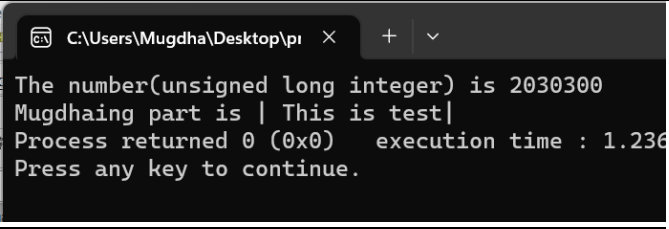
3.atol():

- Convert a string to a long integer.

Code	Input/Output
<pre>#include <stdio.h> #include <stdlib.h> #include <string.h> int main () { long val; char Mugdha[20]; strcpy(Mugdha, "98993489"); val = atol(Mugdha); printf("Mugdhaing value = %s, Long value = %ld\n", Mugdha, val); return(0); }</pre>	

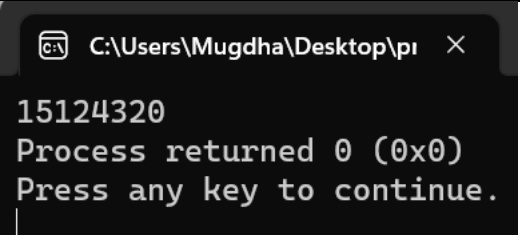
4.strtol():

- Convert a string to a long integer.

Code	Input/Output
<pre>#include <stdio.h> #include <stdlib.h> int main () { char Mugdha[30] = "2030300 This is test"; char *ptr; long ret; ret = strtol(Mugdha, &ptr, 10); printf("The number(unsigned long integer) is %ld\n", ret); printf("Mugdhaing part is s ", ptr); return(0); }</pre>	

5.strtoul():

- Convert a string to an unsigned long.

Code	Input/Output
<pre>#include <stdio.h> int main() { char Mugdha[256] = "90600 Geeks For Geeks"; char* end; long result; result = strtoul(Mugdha, &end, 36); printf("%ld",result); return 0; }</pre>	

6.abs():

- computes natural logarithm of an argument.

Code	Input/Output
<pre>#include <stdio.h> #include <math.h> int main() { int Mugdha,res; scanf ("%d",&Mugdha); res=abs (Mugdha); printf ("%d",res); return 0; }</pre>	