LAB - 1

1. Find out output of different phases of compilation process

by compiling using -save-temps flag.

Note down different files created.

Explain the meaning of each of the generated file.

2. Create a file samples.txt. Write few lines in it.

Create another file practical2.c

Read samples.txt in practical2.c and find out

a) num of characters, b) num of lines

c) num of words in samples.txt

SOLUTION 1:

Main.i - intermediate pre processor output file

Main.o – it is object file and handles the objects while we make the c program

Main.s – it is used as the output of compiler

Main.bc- it is used for command line calculator.

a.out- it is final executable file

SOLUTION 2:

CODE:

#include<stdio.h>

#include<stdlib.h>

int main()

{

int numOfchar=0,numofLines=0,numOfwords=0;

char ch;

FILE \*file;

char path[100];

//printf("enter the filename:");

//scanf("%s",path);

file=fopen("samples.txt","r");

while((ch=fgetc(file))!=EOF)

{

numOfchar++;

if(ch=='\n')

{

numofLines++;

}

if(ch==' '|| ch=='\t' || ch=='\n')

{

numOfwords++;

}

}

if(numOfchar>0)

{

numOfwords++;

numofLines++;

}

printf("No of charcaters : %d\n",numOfchar);

printf("No of words are : %d\n",numOfwords);

printf("No of lines are: %d\n",numofLines);

fclose(file);

return 0;

}

OUTPUT:

