**PROGRAM**

#include<stdio.h>

#include<sys/types.h>

#include<unistd.h>

#include<fcntl.h>

#include<sys/stat.h>

#include<string.h>

#include<stdlib.h>

void main(int argc,char \*argv[])

{

int fd1,fd2;

char str[500],st[500],c;

int l,i=0,j,k;

printf("Enter The String");

c=getchar();

while(c!='\n')

{

str[i]=c;

i++;

c=getchar();

}

l=strlen(str);

printf("Entered String : %s\n",str);

fd1=open(argv[1],O\_WRONLY|O\_CREAT,S\_IRUSR|S\_IWUSR);

if(fd1==-1)

{

printf(" File can’t be opened");

exit(1);

}

else

{

write(fd1,str,l);

}

close(fd1);

fd1=open(argv[1],O\_RDONLY,S\_IRUSR|S\_IWUSR);

if(fd1==-1)

{

printf(" File can’t be opened");

exit(1);

}

else

{

read(fd1,st,l);

}

close(fd1);

for(i=0,k=0;i<=l;i++)

{

if(st[i]==' '||i==l)

{

for(j=i-1;st[j]!=' '&&j>=0;j--)

{

str[k]=st[j];

k++;

}

str[k]=' ';

k++;

}

}

str[k-1]='\0';

printf("Reversed String : %s\n",str);

fd2=open(argv[2],O\_WRONLY|O\_CREAT,S\_IRUSR|S\_IWUSR);

if(fd2==-1)

{

printf(" File can’t be opened");

exit(1);

}

else

{

write(fd2,str,l);

}

}

**OUTPUT**

**student30@student30-Vostro-270s:~/Desktop/VANISHA46$ gcc reversefile.c**

**student30@student30-Vostro-270s:~/Desktop/VANISHA46$ ./a.out file3.c file4.c**

Enter The String

Welcome to unix

Entered String : Welcome to unix

Reversed String : emocleW ot xinu

Contents of file3

Welcome to unix

Contents of file4

emocleW ot xinu