/\* Wap to create a text file and find the **average word size** using the concept of **data file handling.** “ \*/

#include<fstream.h>

#include<ctype.h>

#include<string.h>

#include<conio.h>

void main()

{

clrscr();

char a[80][80],choice;

int i=0,sum=0,words=0,avg;

cout<<"Enter the strings. Enter ## to terminate entering : \n\n";

l1:

cin.getline(a[i],80);

if(a[i][0]=='#'&&a[i][1]=='#')

goto l2;

else

{

i++;

goto l1;

}

l2:

fstream string;

string.open("str\_z.txt", ios::out);

string<<"The strings are : \n\n";

for(int j=0; j<i; j++)

string<<a[j]<<"\n\n";

for(int k=0; k<i; k++)

{words=0;

sum=0;

{

for(j=0; j<strlen(a[k]); j++)

{

if(a[k][j]==' ')

while(a[k][j]==' ')

{

j++;

}

if(isalnum(a[k][j]))

{

while(isalnum(a[k][j]))

{

sum++;

j++;

}

words++;

}

}

}

string<<"\n\nThe number of words in string \" "<<a[k]<<" \" = "<<words;

string<<"\n\nThe Average word size = "<<sum/words;

}

string.close();

getch();

}

**Output:**

Enter the strings. Enter ## to terminate entering:

dav public school

rahul verma

new delhi is in india

##

**// Under MS-DOS shell**

D:\TURBOC3>type str\_z.txt

The strings are :

dav public school

rahul verma

new delhi is in india

The number of words in string "dav public school" = 3

The Average word size = 5

The number of words in string "rahul verma" = 2

The Average word size = 5

The number of words in string "new delhi is in india" = 5

The Average word size = 3