ASSIGNMENT 2

TOPIC : File Handling

TYPE 2 QUESTION : Function write type questions (2 Marks)

Q1. Assume a text file "coordinate.txt" is already created. Using this file create a C++ function to count the number of words having first character capital .Also count the presence of a word 'Do'.

Example:
Do less Thinking and pay more attention to your heart. Do Less Acquiring and pay more Attention to what you already have. Do Less Complaining and pay more Attention to giving. Do Less criticizing and pay more Attention to Complementing. Do less talking and pay more attention to SILENCE.

Output will be :

 Total words with capital vowel - 16
Count of 'Do' in file – 5

Q2. Write a function in C++ to print the count of the word as an independent word in a text file story.txt
Eg: There was a tiger in the zoo. The tiger was very naughty.

The output of the program should be 2.

Q3. Write a function in C++ to count the number of uppercase alphabets present in a text file " ARTICLE.TXT".

Q4. Write a function to count and print the number of complete words as "to" and "are" stored in a text file "ESSAY.TXT".

```
void CWORDS( )
{
 ifstream fin("ESSAY.TXT");
char st[80];
int count=0;
while(!fin.eof())
{
        fin>>st;
        if(!fin)
        break;
        if(strcmpi(st,"to") = =0 || strcmpi(st,"are")= =0)
        count++;
}
cout<<"\nTotal 'to' & 'are' words = "<<count;
```

fin.close( );

}

Q5. Write a function in C++ to read the content of a text file "News.TXT" and display all those lines which are either starting with 'S' or starting with 'W'.

Q6. Write a function in C++ to count the number of lines present in a text file "STORY.TXT".

Q7. Write a function in C++ to count and display the no of three letter words in the file "VOWEL.TXT".
[2]
Example:
If the file contains:
A boy is playing there. I love to eat pizza. A plane is in the sky.

Then the output should be: 4

Q8. Write a function in C++ to count the words "this" and "these" present in a text file "ARTICLE.TXT".
[Note that the words "this" and "these" are complete words]

Q9. Write a function in C++ to count and display the number of lines starting with alphabet 'A' present in a text file "LINES.TXT".
Example:
If the file "LINES.TXT" contains the following lines,

A boy is playing there.
There is a playground.
An aeroplane is in the sky.
Alphabets and numbers are allowed in the password.

The function should display the output as 3

Q10. Assuming that a text file named FIRST.TXT contains some text written into it, write a function named vowelwords( ), that reads the file FIRST.TXT and creates a new file named SECOND.TXT, to contain only those words from the file FIRST.TXT which start with a lowercase vowel (i.e. with 'a', 'e', 'i', 'o', 'u'). For example if the file FIRST.TXT contains

Carry umbrella and overcoat when it rains

Then the file SECOND.TXT shall contain

umbrella and overcoat it