Sheet#9

1) #include <iostream>

#include <fstream>

using namespace std;

int count\_chars(ifstream& file){

int count = 0;

char c;

while (file.get(c)){count++;}

return count;

}

int main(){

ifstream file("square.txt");

if(!file.is\_open()){

cout<< "Error: Unable to open file." <<endl;

return 1;

}

int count = count\_chars(file);

cout<<"Number of characters in file: "<<count<<endl;

file.close();

return 0;

}

2) #include <iostream>

#include <fstream>

#include <string>

using namespace std;

const int LINES\_PER\_PAGE = 20;

int main(){

ifstream file("square.txt");

if(!file.is\_open()){

cout<<"Error: Unable to open file."<<endl;

return 1;

}

else{

string line;

int line\_count = 0;

char input;

while (getline(file, line)){

cout<<line<<endl;

line\_count++;

if (line\_count == LINES\_PER\_PAGE){cout<<"Press R to Return or Q to Quit: ";

input = cin.get();

if (input == 'Q' || input == 'q'){break;}

line\_count = 0;}

}

file.close();

return 0;

}}

3) 1- 00000

2- 11111

3- 10101

4- 10101

5- 11111

6- 11111

7- 10101

8- 00000

9- 11111

10- 8

11- 200

12- 404

13- 25

14- 505

15- 126.25

16- 01010

17- 00000

18- 11111

3) 11111

a- 1

b- 7

c- 1

d- 7

e- 30

f- 24

g- 159

h- 248

i- 63

j- 3

k- 51

l- 62